

# USER'S MANUAL

## SLM-PRO

### Electrical Power Meter

This document contains the latest technical information about SLM-PRO which is a micro-controller based Electrical Power Meter. The product SLM-PRO is sophisticated electronic equipment, and the user is advised to read this User's Manual carefully before attempting to install or operate the equipment.

***Trinity Energy Systems Pvt. Ltd.***

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## Introduction

The electrical power meter, SLM-PRO is a micro-controller based unit which measures various electrical parameters, and sequentially displays on a 4x3 7-Segment display. The meter has three LEDs in the front, one to calibrate energies, one to indicate the status of RS485 communication and one to indicate conversion from kilo to mega. The display consists of three rows of four-digit seven segment red LEDs of 0.56 inches. Twenty four LEDs in two columns on either side of the display indicate the various parameters being shown.

The unit is meant for use in three phase four wire/ three wire and Single phase two wire systems. In three phase four wire LT systems, it requires four wires from R, Y, B & N, in addition to six wires from the three current transformers mounted on the three phases. It thus uses the three wattmeter method to arrive at the system KVA and KW. On the other hand, for use in three phase three wire system, it requires three phases from the PT secondary (usually 110 VAC) and only four wires from the HT current transformer secondary of two phases. The KVA and KW are calculated by the two wattmeter method. In single phase two wire LT systems, it requires two wires from R & N, in addition to two wires from the single current transformers mounted on the single phase. It thus uses the single wattmeter method to arrive at the system KVA and KW.

The unit measures the three phase voltages, currents and individual power factors, KW, KVA, KVAR and THD for voltage and Current for all three phases. Based on these inputs, the system KVA, KW and KVAR can also be calculated. Unit also measure System KWh (Import, Export and Net), KVAh (Import, Export and Net), KVARh (Import, Export and Net).

For the correct operation of the unit, the only basic care required is to ensure that the phase sequence of the three phases is R-Y-B and the polarity of the CT secondary is correct. The S1 terminal in every CT will go to the M terminal of unit. Similarly, the S2 end of the CT will go to the L terminal of the unit.

For Power Quality Analysis – SLM-PRO measures individual harmonics for all voltage and current waveforms, both even and odd, up to the 30<sup>th</sup> order, with THD as per IEC 61557-12. It also records in its non-volatile memory with date and time stamp, twenty Interruption events and thirty SAG/SWELL events, as per IEC 61000-4-30 standard.

SLM-PRO Measure Present Demand, Predicted Demand for KW, KVA, KVAR and Average Amp. SLM-PRO separately measure Import and Export demand for KW, KVA and KVAR. SLM-PRO also measure Maximum Demand and Last Maximum Demand with Date and Time which is available on the RS485.

The unit is fully solid state and will give years of trouble-free service once installed correctly.

### **The Main features Available in this Model**

- All readings are true RMS measurements
- Site selectable 1A or 5A CT secondary
- CT Primary and PT Ratio site selectable
- Three phase current, Phase to Neutral and Phase to Phase Voltages.
- Measurement of all individual Power parameter as well as System parameter.
- Measurement of Import and Export all System Energy Parameters.
- \*Measure Net Energy for the all system Energy Parameters.
- Measurement of system PF including individual PF in three phases at lead and lag side
- \*Phase Wise Distortion and Displacement PF.
- Demand Measurement: Fixed or Sling for KW, KVA, KVAR and IAVG.
- \*Individual Harmonics up to 30th for voltage and current.
- Voltage and current THD.
- Computed Neutral current.
- \*Voltage Phase Angle (Angle between Vr - Vy, Vy - Vb and Vr - Vb).
- \*Current Phase Angle (Angle between Ir - Iy, Iy - Ib and Ir - Ib).
- \*Phase Angle between Voltage and Current(Vr – Ir, Vy – Iy and Vb – Ib,)
- Voltage unbalance percentage (%VR, %VY, %VB).
- Current unbalance percentage (%IR, %IY, %IB).
- ON Hour and Run Hour.
- \*Interruption Date and Time for 20 Events.
- \*Sag and Swell Value, Date and Time for 30 Events.
- \*Min – Max Data with Date and Time.
- Real Time Date and Time.
- Energy Pulse Output on the LED selectable.
- RS-485 port for connection to SCADA/EMS.RS-485 communication indication RX/TX LED.

**Note:** \* indicate these parameters only available on the RS485.



## Technical Specifications

| Parameters    |                           |   |   |
|---------------|---------------------------|---|---|
| Type          | Name                      | Statistics  |   |
| INPUT         | Supply                    | Three Phases and Neutral of a 3P4W system / Three Phases of a 3P3W system / Single Phase and Neutral of a 1P2W System |   |
|               | Voltage                   | Direct Voltage Input<br>PT Ratio<br>Burden  | : up to 500V L-L, 300V L-N<br>: Site Selectable<br>: 0.5VA  |
|               | Current                   | Secondary Current Input<br>CT Primary<br>Range of Reading<br>Burden<br>Overload                                       | : 5A or 1A (Site Selectable)<br>: Site Selectable<br>: up to 5000A<br>: < 1.0VA<br>: 5A CT → 6A RMS Continuous<br>: 1A CT → 1.2A RMS Continuous |
|               | Power Supply              | Auxiliary Supply  | : 60 - 480 VAC/DC, 50-60 Hz.  |
|               |                           |   |   |
| MEASUREMENT   | True RMS Basic Parameters | Voltage (Volts L-N & L-L)   | Accuracy : 0.5% of Reading  |
|               |                           | Current (Amps IR, IY, IB)   | Accuracy : 0.25% of Reading   |
|               |                           | Line Frequency  | 45 to 55 Hz, Accuracy : 0.05% of Reading  |
|               | Power                     | Active Power (P)  | Accuracy : 0.5% of Reading (For IPFI>0.5)   |
|               |                           | Reactive Power (Q)  | Accuracy : 1.0% of Reading  |
|               |                           | Apparent Power (S)  | Accuracy : 0.5% of Reading  |
|               |                           | Power Factor  | For Individual phases and System PF<br>Accuracy : 0.5% of Reading (IPFI≥0.5)<br>Range of Reading : 0.05 to 1.00 Lag/Lead                        |
|               | Energy                    | Total Active Energy (KWh)   | Range of Reading : 0 to 999999999.9<br>Accuracy : class 0.5s as per IS14697   |
|               |                           | Total Apparent Energy (KVAh)  | Range of Reading : 0 to 999999999.9<br>Accuracy : 0.5% of Reading   |
|               |                           | Total Reactive Energy (KVARh)   | Range of Reading : 0 to 999999999.9<br>Accuracy : 1.0% of Reading   |
|               | Power Quality             | THD and Individual Harmonic For each Phase V and A  | Class 5.0 as per IEC 61557-12 up to 30 <sup>th</sup> order.   |
|               | Demand                    | Parameters  | KW, KVA, KVAR and Avg.Amps.   |
|               |                           | Window  | 15 minutes or 30 minutes selectable.  |
|               |                           | Mode  | Fixed or Sliding selectable.  |
|               |                           | Calculation   | Present, Predicted, Maximum Demand and Last Maximum Demand (Import & Export – For Power Parameter Only)   |
| MISCELLANEOUS | Dimensions                | Bezel   | 96 X 96 mm  |
|               |                           | Panel Cutout  | 92 X 92 mm  |
|               |                           | Depth of installation   | 55 mm   |
|               |                           | Display   | 4x3, 7-Segment, bright Red.   |

|   |                         |   |
|---|-------------------------|---|
|   | Operating temp          | 0 °C to 55 °C   |
|   | Weight                  | 310 gms (Approx.)   |
|   | Operating Current Range | 0.4% to 120% of CT primary  |
| Communication                                 | RS485 Port              | Connection : Two Wire<br>Isolation : 2.5KV RMS<br>Protocol : Modbus-RTU<br>Baudrate : 9600, 19200, 38400<br>Parity : None<br>Stop bit : 1 |
| Display update                                | Instantaneous           | 1 S   |
|   | Demand                  | 1 S   |
|   | Harmonics               | 3 S   |
|   | Keypad                  | Three Keys for navigation and programming of various parameters.  |
|   | Calibration LED.        | Red color. 1000 impulses/unit.<br>Import/Export of KWh / KVAh / KVARh.  |
|   | Communication LED       | Dual color LED.<br>Data Receive – Green LED.<br>Data Transmit – Red LED.  |
| * 0.5s accuracy applicable only in 3P4W mode. |                         |   |

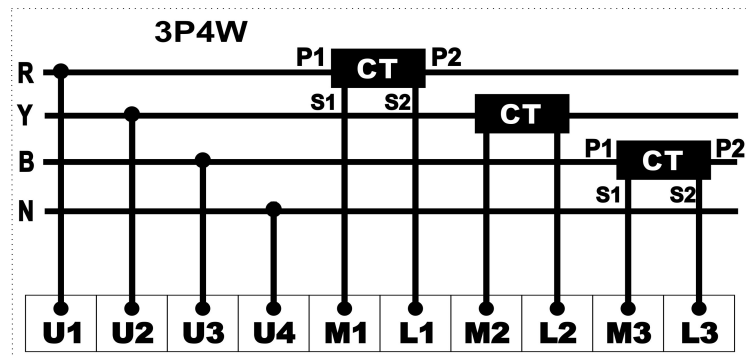
## Installation and Commissioning

The unit supports 3P4W type of electrical installation.

### 3P4W Mode Installation

For Installation and Commissioning, proceed the following instructions.

1. Push the unit into the panel and mount it by using the clamps provided. Connect the Auxiliary supply (60 VAC/DC to 480 VAC/DC) to the terminals marked P and N.



2. Connect the three phases with the phase sequence being R-Y-B to the terminals marked U1, U2 and U3 respectively. Make sure that the three phases coming to the unit come through control fuses of 1.0 Amp rating. This will protect the electronic inside from damage due to severe over voltages or phase faults in the system.
3. Connect the neutral wire to the terminal marked U4.

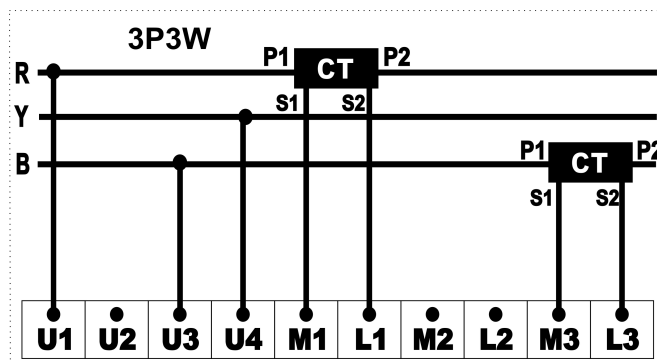


4. Connect the two wires from the R-Phase CT to the terminals marked M1 and L1 such that S1 from CT goes to M1 on the unit. Connect the two wires from the Y-phase CT to the terminals marked M2 & L2 such that S1 from the Y-phase CT goes to M2 on the unit. Connect the two wires from the B-phase CT to the terminals marked M3 & L3 such that S1 from CT goes to M3 on the unit.
5. Switch on the three phases supply as well as the auxiliary supply. The unit will come alive and display power up information such as *Er in itYESPL*, *CT*(CT Ratio), *PT*(PT Ratio) and *Addr*(Device ID), *inSt* (Installation) and then, the unit enters into Run Mode displaying the first page.
6. The unit should be programmed for all the required parameters which are field programmable and therefore, for selecting the various options supported, refer Operational Details in next section.
7. Now, the unit is ready for operation.

### 3P3W Mode Installation

For Installation and Commissioning, proceed the following instructions.

1. Push the unit into the panel and mount using the clamps provided. Connect the auxiliary supply (60 VAC/DC to 480 VAC/DC) to the terminal marked P and N.



2. Connect the three phases such as R-phase to the terminal marked U1, Y-phase to the terminal marked U4 and B-phase to the terminal marked U3 respectively. Make sure that the three phases coming to the unit come through control fuse of 1.0 Amp rating.
3. Connect the two wires from R-phase CT to the terminal marked M1 & L1 such that S1 from CT goes to M1. Connect the two wires from B-phase CT to the terminal marked M3 & L3 such that S1 from the CT goes to M3 on the unit.
4. Switch on the three phases supply as well as the auxiliary supply. The unit will come alive and display power up information such as *Er in itYESPL*,

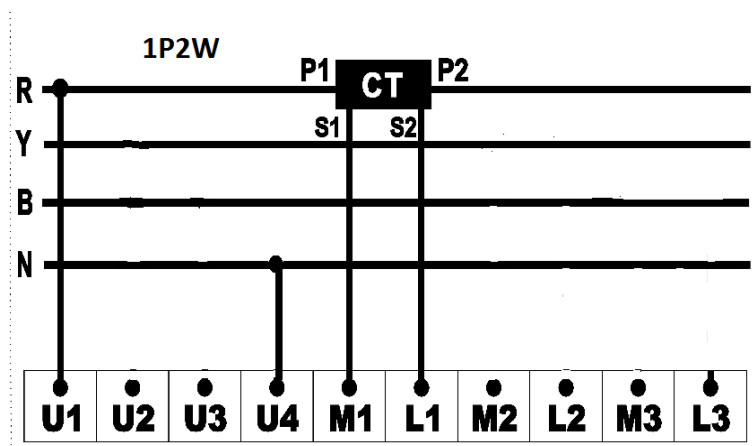
$\text{CT}$  (CT Ratio),  $\text{PT}$  (PT Ratio) and  $\text{Addr}$  (Device ID),  $\text{Inst}$  (Installation) and then, the unit enters into Run Mode displaying the first page.

5. The unit should be programmed for all the required parameters which are field programmable and therefore, for selecting the various options supported, refer Operational Details in next section.
6. Now, the unit is ready for operation.

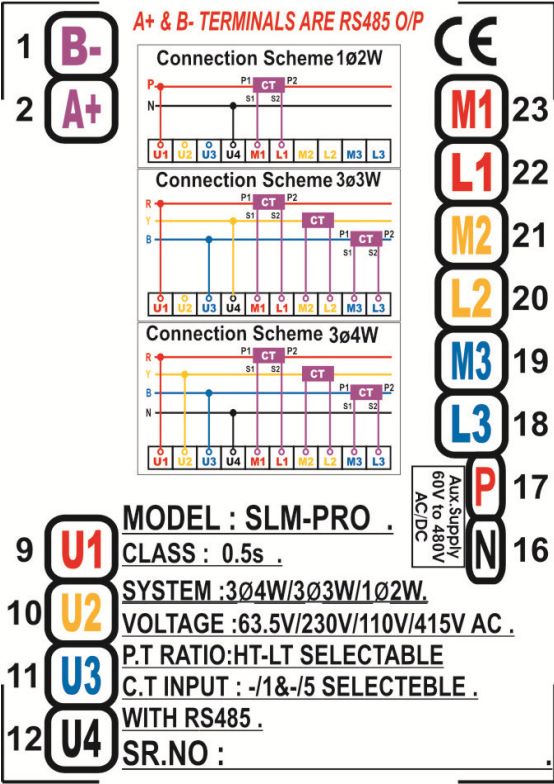
### 1P2W Mode Installation

For Installation and Commissioning, proceed the following instructions.

1. Push the unit into the panel and mount using the clamps provided. Connect the auxiliary (60 VAC/DC to 480 VAC/DC) to the terminal marked P and N.



2. Connect the single phase with the phase sequence being R to the terminals marked U1. Make sure that the phase coming to the unit come through control fuses of 1.0 Amp rating. This will protect the electronic inside from damage due to severe over voltages or phase faults in the system.
3. Connect the neutral wire to the terminal marked U4.
4. Connect the two wires from the R-Phase CT to the terminals marked M1 and L1 such that S1 from CT goes to M1 on the unit.
5. Switch on the Single phases supply as well as the auxiliary supply. The unit will come alive and display power up information such as  $\text{Err}$  in  $\text{YESPL}$ ,  $\text{CT}$  (CT Ratio),  $\text{PT}$  (PT Ratio) and  $\text{Addr}$  (Device ID),  $\text{Inst}$  (Installation) and then, the unit enters into Run Mode displaying the first page.
6. The unit should be programmed for all the required parameters which are field programmable and therefore, for selecting the various options supported, refer Operational Details in next section.
7. Now, the unit is ready for operation.



**AUX.Supply – (60 to 480 VAC/DC)**

**Connection Scheme**

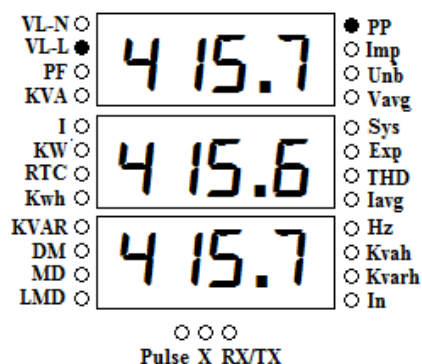
## Operational Details




The electrical power meter, SLM-PRO is a versatile meter with all the features needed to implement for a robust electrical power system.

The unit has two types of modes such as




1. Programming Mode
2. Run Mode.

After supplying power (60 VAC/DC to 480 VAC/DC), the unit displays immediately power receiving information such as  $V_L$  (Line Voltage),  $I$  (CT Ratio),  $P$  (PT Ratio) and  $Addr$  (Device ID),  $Inst$  (Installation) and then, the display comes into the first page of Run Mode by default such as shown below.




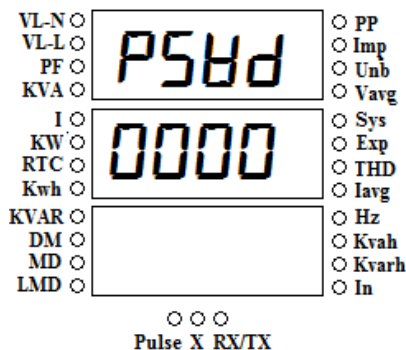
Now, the unit can be operated by using the keys provided such as ,  and  for both Programming Mode and Run Mode.


## Programming Mode

The unit can be programmed by use of the three keys provided on the front of the unit, i.e. ,  and  keys. If on entering the programming mode, no keys are operated for one minute the unit will automatically revert to Run Mode.

SLM-PRO parameters password protected so before entering in the programming mode user need to set PASSWORD.

In Run Mode, press  key for about four seconds and then the unit display will prompt "P5Hd" such as shown below.




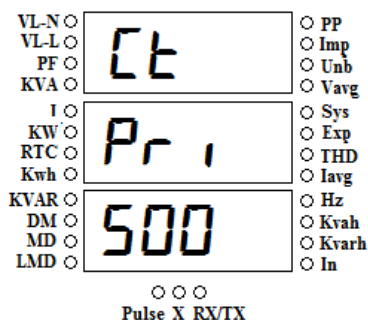
To enter the password, press ▲ key to change first digit from 0 to 9. Press ▼ key to shift into second digit. Now Press ▲ key again to change second digit from 0 to 9. Press ▼ key to shift into third digit. Press ▲ key again to change third digit from 0 to 9. Press ▼ key to shift into fourth digit. Press ▲ key again to change fourth digit from 0 to 9. Now press  key to verify entered password. If correct password entered then it will enter into Programming mode and 1<sup>st</sup> Programming parameter CT Primary display page appear. If entered password wrong then all four digit will be 0 and again need to enter correct password.




### Setting CT Primary

CT Primary should be selected at site so as to give the actual current for CT operated meters. The CT Primary can be selected from 5 to 5000.

To retrieve the CT Primary, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT PRIMARY page such as shown below.




2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Set the CT PRIMARY by pressing ▲ and ▼ keys according to your desire and then press  key to save the parameter.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press ▲ key to enter into next programmable parameter and configure.

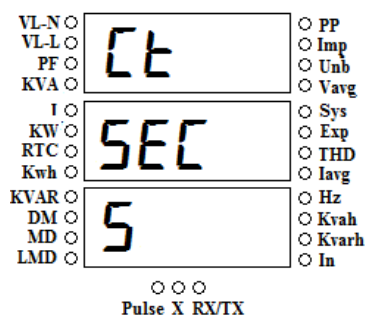
### Setting CT Secondary

CT Secondary should be selected at site so as to give the actual current for CT operated meters. CT Secondary can be selected to either 1 or 5.

To retrieve the CT Secondary, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit displays will prompt CT Primary and then, Press ▲ key till you get display of CT

Secondary such as shown below.



2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the CT SECONDARY by pressing and keys according to your desire and then press key to save the parameter.
3. If the setting is completed, press key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press key to enter into next programmable parameter and configure.

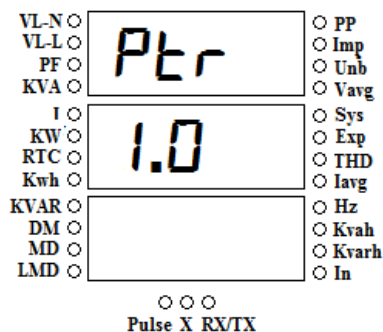
### Selecting PT Ratio

The PT Ratio is the ratio of PT Primary and PT Secondary which is also selectable at site. The PT Ratio should be selected so as to give the actual voltage in your PT operated meter with the following table.

| PT Primary         | PT Secondary | PT Ratio |
|--------------------|--------------|----------|
| No multiply factor |              | 1        |
| 2200               | 110          | 20       |
| 3300               | 110          | 30       |
| 6600               | 110          | 60       |
| 11000              | 110          | 100      |
| 22000              | 110          | 200      |
| 33000              | 110          | 300      |
| 66000              | 110          | 600      |
| 415                | 110          | 3.7727   |
| 440                | 110          | 4.0000   |

To select the PT Ratio, precede the following instruction

1. In Run Mode, press key for about four seconds and then the unit display will prompt CT Primary and then, Press key till you get display of PT Ratio such as shown below.



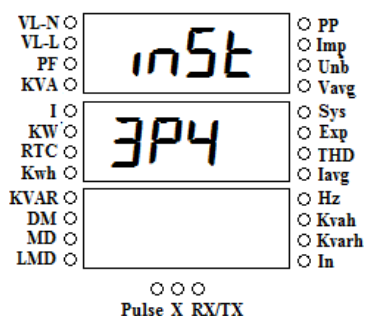
2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the PT Ratio by pressing and keys according to your desire and then press key so to save the parameter.
3. If the setting is completed, press key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press key to enter into next programmable parameter and configure.

### Selecting Installation type

The unit supports 3 types of electrical installation: 3P4W, 3P3W and 1P2W. According to your electrical installation, user should select to either 3P4W or 3P3W or 1P2W.

To select the installation type, precede the following instructions.

1. In Run Mode, press key for about four seconds and then the unit display will prompt CT Primary and then, Press keys till you get display of installation such as shown below.





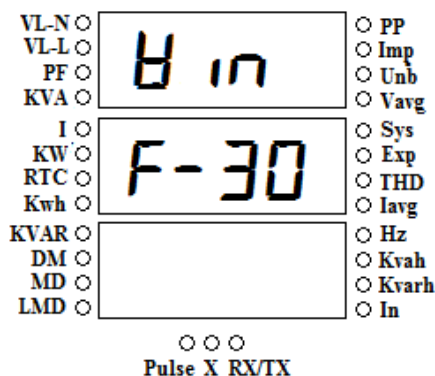
2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the installation type by pressing and keys according to your desire and then press key to save the parameter and after the Key Press unit automatic reset.

## Selecting Demand Window






The unit supports 2 types of demand window for the calculation of the demand such as Fixed Window or Sliding Window. For each window user can select either 15 Minute or 30 Minute Interval. As per the Demand Window, SLM-PRO calculates Demand Value for KW, KVA, KVAR and IAVG.

To select the Demand Window, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of demand window such as shown below.





|              |                                   |
|--------------|-----------------------------------|
| <i>F- 15</i> | Fixed Window 15 Minute Interval   |
| <i>F- 30</i> | Fixed Window 30 Minute Interval   |
| <i>S- 15</i> | Sliding Window 15 Minute Interval |
| <i>S- 30</i> | Sliding Window 30 Minute Interval |

2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Demand window by pressing  and  keys according to your desire and then press  key to save the parameter and after the  Key Press unit automatic reset.

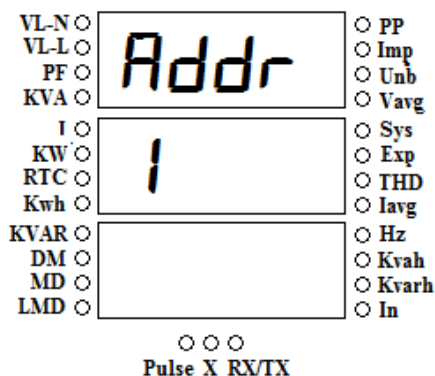
## Setting Meter Address

The unit also supports RS485 communication port and it should therefore be set the Meter Address from 1 to 255 for communication of it.

To select the Meter address, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Meter address such as shown below.





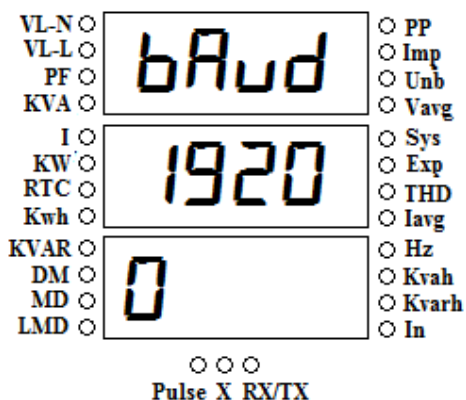
2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Set the Meter address by pressing and keys according to your desire and then press key to save the parameter.
3. If the setting is completed, press key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press key to enter into next programmable parameter and configure.

### Setting Baud Rate



In case of RS485 connection, the Baud rate is settable to either 9600 or 19200 or 38400 for its communication.

To select the Baud Rate, precede the following instructions.

1. In Run Mode, press key for about four seconds and then the unit display will prompt CT Primary and then, Press keys till you get display of Baud rate such as shown below.





2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Baud rate by pressing and keys according to your desire and then press key to save the parameter.

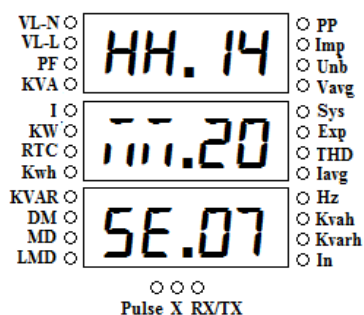
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.













### Setting RTC Hour, Minute, Second

This Parameter is used to set RTC Hour, Minute and Second.

To Set RTC Hour, Minute and Second, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of such as shown below.





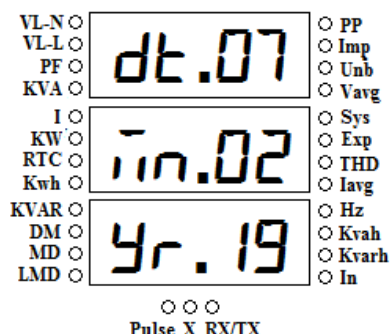
2. Press  key again. Immediately 'P' and "HH." starts blinking which means that Hour can now be changed. Using  and  keys user can set desire Hour. Hour can be set between 0 to 23. After the Hour setting completed, Press  key again. Now "HH." stop blinking and "MM." starts blinking which means that Minute can now be changed. Using  and  keys user can set desire Minute. Minute can be set between 0 to 59. After the Minute setting completed, Press  key again. Now "MM." stop blinking and "SE." starts blinking which means that Second can now be changed. Using  and  keys user can set desire second. Second can be set between 0 to 59. Now Press  key to save RTC Hour, Minute and Second.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.













### Setting RTC Date, Month, Year

This Parameter is used to set RTC Date, Month and Year.

To Set RTC Date, Month and Year, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of such as shown below.





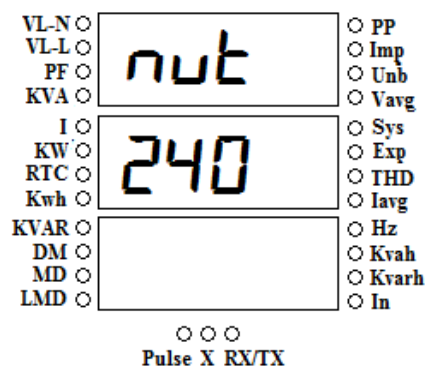
2. Press  key again. Immediately 'P' and "dt." starts blinking which means that Date can now be changed. Using  and  keys user can set desire Date. Date can be set between 1 to 31. After the Date setting completed, Press  key again. Now "dt." stop blinking and "in." starts blinking which means that Month can now be changed. Using  and  keys user can set desire Month. Month can be set between 1 to 12. After the Month setting completed, Press  key again. Now "in." stop blinking and "yr." starts blinking which means that Year can now be changed. Using  and  keys user can set desire Year. Year can be set between 0 to 99. Now Press  key to save RTC Date, Month and Year.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.

### Setting Nominal Voltage

For the Power Quality Functionality Detection user need to specifies the Nominal RMS Voltage to SLM-PRO. User can be set Nominal Value up to 70000.

To select the Nominal Voltage, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Nominal voltage such as shown below.



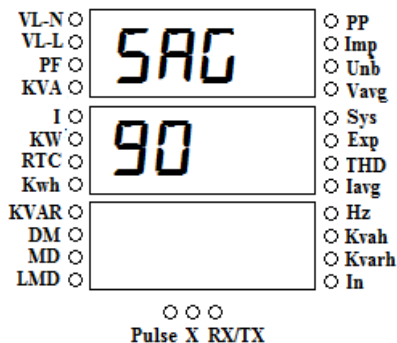
2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Nominal voltage by pressing and keys according to your desire and then press key to save the parameter.
3. If the setting is completed, press key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press key to enter into next programmable parameter and configure.

### Setting SAG Threshold Percentage



SLM-PRO Consider Sag Threshold as a Percentage of the Nominal Voltage. SLM-PRO starts measuring Sag Event below this Threshold. SLM-PRO log Sag Value, Date & Time and duration. SAG Threshold can be set between 10% to 90%.



To select the SAG Threshold, precede the following instructions.

1. In Run Mode, press key for about four seconds and then the unit display will prompt CT Primary and then, Press keys till you get display of SAG Threshold such as shown below.



2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Sag Threshold by pressing



and  keys according to your desire and then press  key to save the parameter.

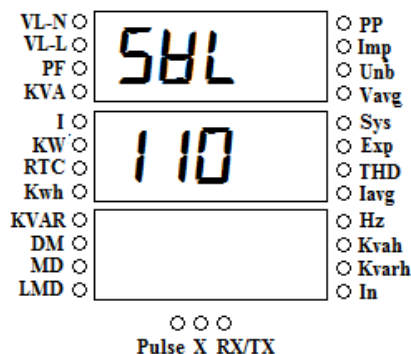
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.







### Setting SWELL Threshold Percentage

SLM-PRO Consider Swell Threshold as a Percentage of the Nominal Voltage. SLM-PRO starts measuring Swell Event above this Threshold. SLM-PRO log Swell Value, Date & Time and duration. SWELL Threshold can be set between 110% to 300%.

To select the SWELL Threshold, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Swell Threshold such as shown below.





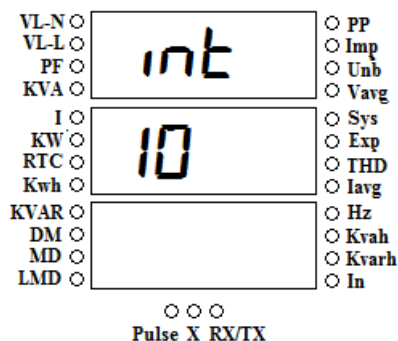
2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Swell Threshold by pressing  and  keys according to your desire and then press  key to save the parameter.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.







### Setting INTERRUPTION Threshold Percentage

SLM-PRO consider Interruption threshold as a Percentage of the Nominal Voltage. SLM-PRO starts measuring Interruption Event below this Threshold. SLM-PRO log Start Time and Duration of Interruption Event. INTERRUPTION Threshold can be set between 5% to 10%.

To select the Interruption Threshold, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Interruption Threshold such as shown below.



2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Interruption Threshold by pressing  and  keys according to your desire and then press  key to save the parameter.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.

### Setting Hysteresis Percentage

Hysteresis is the difference in magnitude between SAG/SWELL/INTERRUPTION Start Threshold and the threshold for the SAG/SWELL/INTERRUPTION Event consider as completed.

Hysteresis Value can be set between 2% to 50%.

Note: After Power Up, all phases voltage should be stable (above the Sag threshold and below the Swell Threshold) to start Sag/Swell/Interruption event login.

Example: If Hysteresis set is 2% and SAG Threshold is 90% then SLM-PRO start measuring Sag Event below the 90% of the nominal Voltage and Sag Event End when Voltage level reach above 92% of the nominal voltage. If Hysteresis set is 2% and SWELL Threshold is 110% then SLM-PRO start measuring Swell Event above the 110% of the nominal voltage and Swell Event end when Voltage level reach below 108% of the nominal voltage. If Hysteresis set is 2% and Interruption Threshold is 5% then SLM-PRO start measuring Interruption Event below the 5% of the nominal voltage and Interruption Event end when Voltage level reach above 7% of the nominal voltage.

**SAG Event:** Suppose Nominal Value is 240V, SAG Threshold is 90% and Hysteresis is 2%. SAG Event start when one of the Phase Voltage goes below the 216V (90%(SAG) of VNOM) and SAG Event Completed when all phase voltage goes above the 220.8V (92%(SAG + HYSTERESIS) of VNOM). SLM-PRO log Start



Time Stamp of SAG Event and Time Duration between SAG Event Start and End. SLM-PRO also log minimum Voltage SAG value during SAG duration.

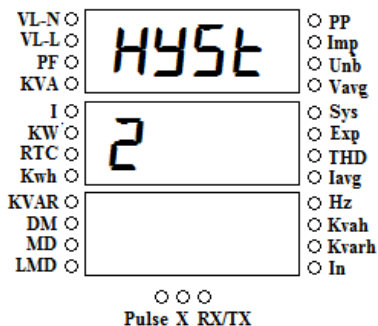
**SWELL Event:** Suppose Nominal Value is 240V, SWELL Threshold is 110% and Hysteresis is 2%. SWELL Event start when one of the Phase Voltage goes above the 264V (110% (SWELL) of VNOM) and SWELL Event Completed when all phase voltage goes below the 259.2V (108% (SWELL- HYSTERESIS) of VNOM). SLM-PRO log Start Time Stamp of SWELL Event and Time Duration between SWELL Event Start and End. SLM-PRO also log maximum Voltage SWELL value during SWELL duration.







**INTERRUPTION Event:** Suppose Nominal Value is 240V, INTERRUPTION Threshold is 5% and Hysteresis is 2%. INTERRUPTION Event start when all Phase Voltage goes below the 12V (5% (INTERRUPTION) of VNOM) and INTERRUPTION Event Completed when one of the phase voltage goes above the 16.8V (7% (INTERRUPTION + HYSTERESIS) of VNOM). SLM-PRO log Start Time Stamp of INTERRUPTION Event and Time Duration between INTERRUPTION Event Start and End.

SLM-PRO log Duration in milliseconds for Sag/Swell/Interruption Event. If event continue for more than 60 seconds then SLM-PRO log it as 60000 milliseconds.

To select the Hysteresis Threshold, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Hysteresis Percentage such as shown below.



2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Hysteresis Percentage by pressing  and  keys according to your desire and then press  key to save the parameter.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.



## Selecting Energy Pulse Output

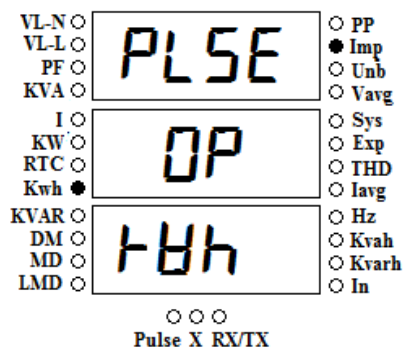
The unit also supports 1000 Energy Pulses per Kxh on the LED. User can select one of the Energy for Pulse Output on the LED from the below mention table:







X – Selected Energy

| Description    | SLM-PRO Display Indication            |
|----------------|---------------------------------------|
| KWh - Import   | <b>KWh</b> - Kwh and Imp LEDs glow    |
| KWh - Export   | <b>KWh</b> - Kwh and Exp LEDs glow    |
| KVAh - Import  | <b>KVh</b> - Kvah and Imp LEDs glow   |
| KVAh - Export  | <b>KVh</b> - Kvah and Exp LEDs glow   |
| KVARh - Import | <b>KVrh</b> - Kvarh and Imp LEDs glow |
| KVARh - Export | <b>KVrh</b> - Kvarh and Exp LEDs glow |

To select the Energy Pulse Output, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Energy Pulse output such as shown below.




2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select the Energy Pulse output by pressing  and  keys according to your desire and then press  key to save the parameter.
3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.

## Resetting On Hour and Run Hour

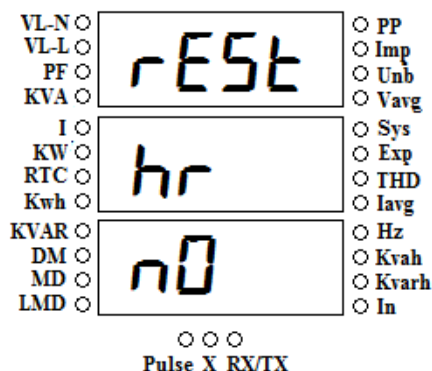
This Parameter is used to reset time of ON Hour and RUN Hour.

To Reset ON and RUN Hour, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display



will prompt CT Primary and then, Press ▲ keys till you get display of Reset Hour such as shown below.



2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select "rES" by pressing ▲ and ▼ keys and then press key for resetting time of ON Hour and RUN Hour.
3. If the setting is completed, press key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press ▲ key to enter into next programmable parameter and configure.

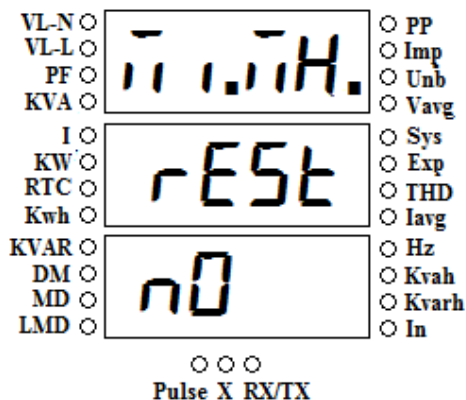
### Resetting Min – Max Data






This Parameter is used to reset Min – Max Data, Date and Time.

SLM-PRO Log Minimum and Maximum value with Date and Time for 3 Phase to neutral Voltage, Phase to phase voltage, current, average of Phase to neutral, average of the Phase to Phase, average of current, system frequency, individual and system Power parameters.

To Reset Min – Max Data, precede the following instructions.

1. In Run Mode, press key for about four seconds and then the unit display will prompt CT Primary and then, Press ▲ keys till you get display of Reset Min - Max such as shown below.





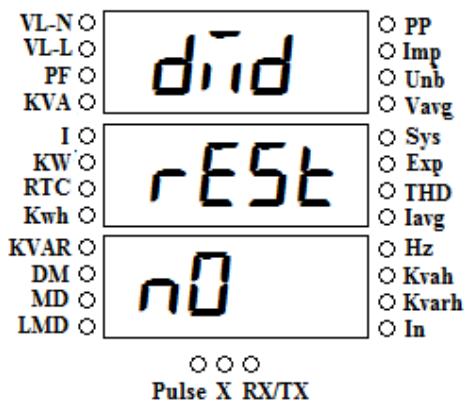
2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select "YES" by pressing  and  keys and then press  key for resetting Min – Max Data and after the  Key Press unit automatic reset.






### Resetting Demand Data

This Parameter is used to reset Demand data. Before resetting Demand SLM-PRO over write Maximum demand Data on the Last Maximum demand data and then clear all Demand data.

To Reset Demand Data, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Reset Demand such as shown below.





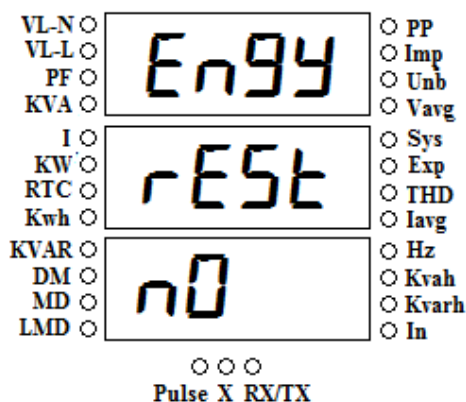
2. Press  key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select "YES" by pressing  and  keys and then press  key for resetting Demand Data and after the  Key Press unit automatic reset.

### Resetting Energy Data

This Parameter is used to reset to zero all system Energy parameters.

To Reset Energy Data, precede the following instructions.

1. In Run Mode, press  key for about four seconds and then the unit display will prompt CT Primary and then, Press  keys till you get display of Reset Energy such as shown below.

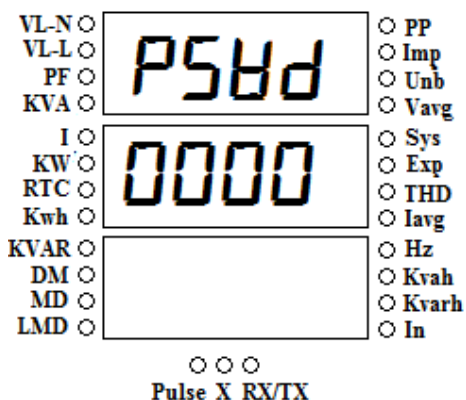


2. Press key again. Immediately 'P' starts blinking which shows that the parameter can now be changed. Select "rESt" by pressing and keys and then press key for resetting all Energy Parameters and after the Key Press unit automatic reset.



### Setting Password

This Parameter is used to set Password for Programming mode.  
To set Password, precede the following instructions.

1. In Run Mode, press key for about four seconds and then the unit display will prompt CT Primary and then, Press keys till you get display of PASS WORD such as shown below.




2. Press key again. Immediately 'P' and 1<sup>st</sup> digit starts blinking which shows that the parameter can now be changed. Now for change the password, press key to change first digit from 0 to 9. Press key to shift into second digit. Press key again to change second digit from 0 to 9. Press key to shift into third digit. Press key again to change third digit from 0 to 9. Press key to shift into fourth digit. Press key again to change fourth digit from 0 to 9. Now press key to saved password.



3. If the setting is completed, press  key for about four seconds on the Program mode display. After this the unit will reset and return into Run Mode. Otherwise, press  key to enter into next programmable parameter and configure.

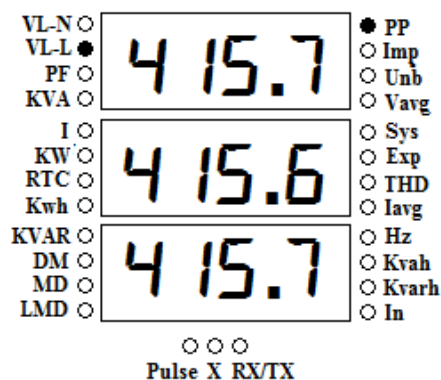
## Run Mode

In the run mode, the various parameters measured & calculated by the meter are displayed on different pages using 4x3 7-Segment display.

In the Run Mode user can freeze and Scroll pages by Pressing  key. In the Scroll mode, page auto scroll after every 8 seconds. Freeze mode indicated by the blinking led in the Run Mode. In the freeze mode, it shows the same display page as was before the power fail.

## Run Mode Display Pages

In case, the pages are frozen, each page can be altered by pressing  and  keys so as to display such as below pages.



The 1<sup>st</sup> page shows phase to phase voltage. This page indicated by “VL-L” and “PP” LED glow.

1<sup>st</sup> Row shows Phase to Phase voltage between R & Y phase.

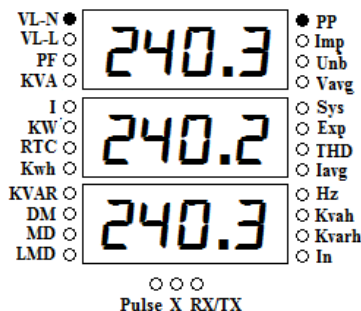
2<sup>nd</sup> Row shows Phase to Phase voltage between Y & B phase.

3<sup>rd</sup> Row shows Phase to Phase voltage between B & R phase.

In case, PT ratio >10.0, Phase to Phase voltage readings will be converted to KV by dividing 1000 and it's indicated by “X”LED glow.

In the 3P3W installation VRY and VYB Voltage display. This will be indicated by “VL-L” and “PP” LED glow.

In the 1P2W installation VRN and IR Measurement display. This will be indicated by “VL-N” and “I” LED glow.



The 2<sup>nd</sup> page shows Phase to Neutral Voltage for R,Y and B phase. This page indicated by “VL-N” and “PP” LED glow. “PP” Stands for Per Phase.

1<sup>st</sup> Row shows Phase to Neutral voltage for R phase.

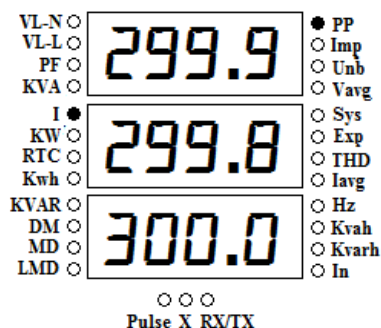
2<sup>nd</sup> Row shows Phase to Neutral voltage for Y phase.

3<sup>rd</sup> Row shows Phase to Neutral voltage for B phase.

In case, PT ratio > 10.0, Phase to Neutral voltage readings will be converted to KV by dividing 1000 and it's indicated by “X”LED glow.

This Page will be not available in the 3P3W and 1P2W installation.

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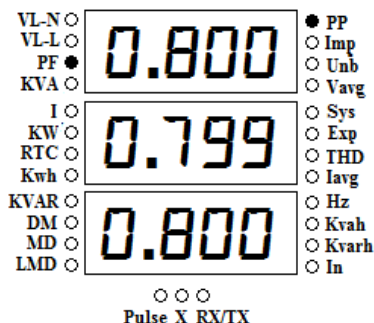


The 3<sup>rd</sup> page shows Phase wise current for R, Y and B phase.

This page indicated by “I” and “PP” LED glow. “PP” Stands for Per Phase.

This Page will be not available in the 1P2W installation.

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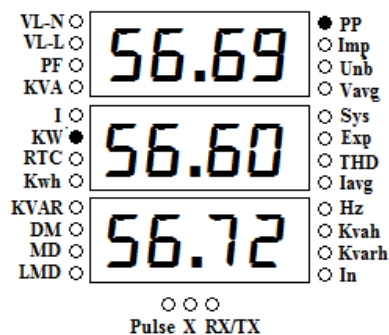


The 4<sup>th</sup> page shows Phase wise PF for R, Y and B phase. In case of leading PF, the unit will show “-” sign for all three individual phases.

This page indicated by “PF” and “PP” LED glow.

This Page will be not available in the 3P3W and 1P2W installation.

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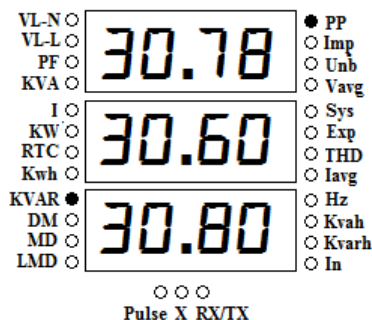


The 5<sup>th</sup> page shows Phase wise KW for R, Y and B phase.

This page indicated by “KW” and “PP” LED glow.

This Page will be not available in the 1P2W installation.

If SYSKVA is more than 999.9 then individual KW Reading converted into MW (Mega) by dividing 1000 and this will be indicated by “X” LED glow. If SYSKVA Reading again below the 999.6 Value then SLM-PRO automatic convert all parameters into “Kilo” Form.

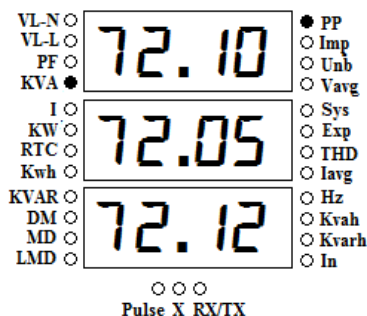


The 6<sup>th</sup> page shows Phase wise KVAR for R, Y and B phase.

This page indicated by “KVAR” and “PP” LEDs glow.

This Page will be not available in the 1P2W installation.

If SYSKVA is more than 999.9 then individual KVAR Reading converted into MVAR (Mega) by dividing 1000 and this will be indicated by “X” LED glow. If SYSKVA Reading again below the 999.6 Value then SLM-PRO automatic convert all parameters into “Kilo” Form.

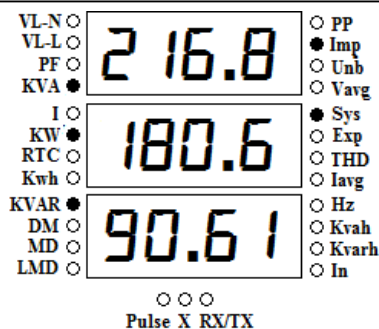


The 7<sup>th</sup> page shows Phase wise KVA for R, Y and B phase.

This page indicated by “**KVA**” and “**PP**” LEDs glow.

This Page will be not available in the 3P3W and 1P2W installation.

If SYSKVA is more than 999.9 then individual KVA Reading converted into MVA (Mega) by dividing 1000 and this will be indicated by “**X**” LED glow. If SYSKVA Reading again below the 999.6 Value Then SLM-PRO automatic convert all parameters into “Kilo” Form.



The 8<sup>th</sup> page shows System KVA, KVAR and KW.

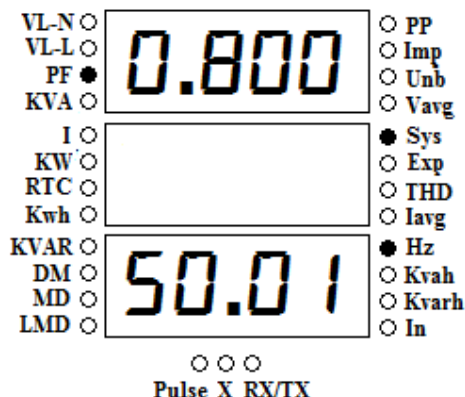
1<sup>st</sup> row display System KVA.

2<sup>nd</sup> row display System KW.

3<sup>rd</sup> row display System KVAR.

This page indicated by “**Sys**”, “**KVA**”, “**KVAR**”, “**KW**”, “**Imp**” or “**Exp**” LED glow. System Import or Export indicated by “**Imp**” or “**Exp**” LED glow.

If SYSKVA is more than 999.9 then all system power value converted into Mega by dividing 1000 and this will be indicated by “**X**” LED glow. If SYSKVA Reading again below the 999.6 Value then SLM-PRO automatic convert all parameters into “Kilo” Form.



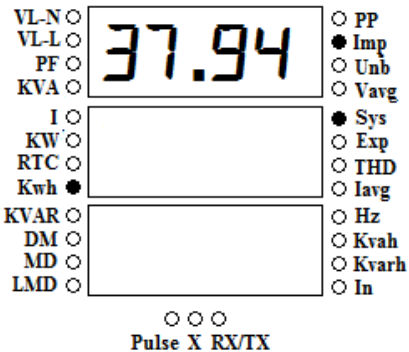
The 9<sup>th</sup> page shows System PF and Frequency.

1<sup>st</sup> row display System PF.

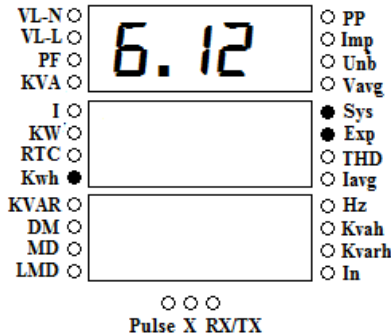
3<sup>rd</sup> row display Frequency.

This page indicated by “**Sys**”, “**PF**” and “**Hz**” LED glow. “**Sys**” Stands for System.

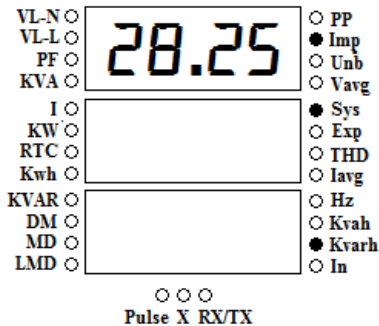




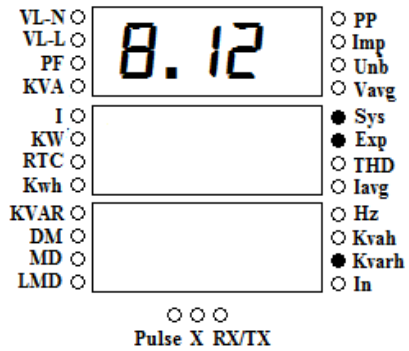
The 10<sup>th</sup> page shows System Import KWh.  
This page indicated by “Kwh”, “Sys” and “Imp” LED glow.



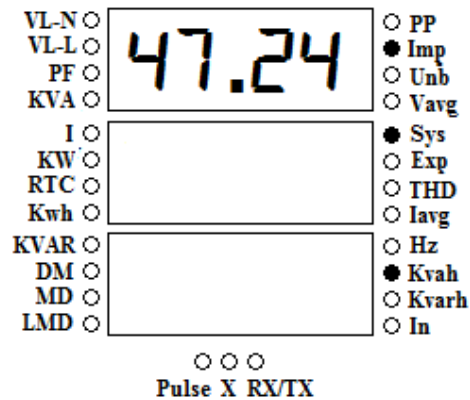
The 11<sup>th</sup> page shows System Export KWh.  
This page indicated by “Kwh”, “Sys” and “Exp” LED glow.



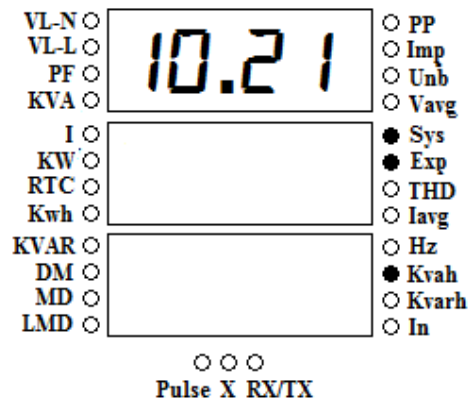
The 12<sup>th</sup> page shows System Import KVARh.  
This page indicated by “KVARh”, “Sys” and “Imp” LED glow.



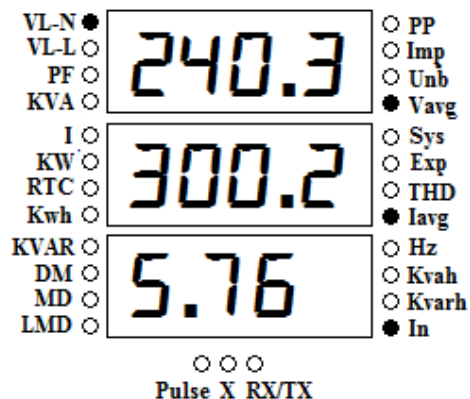
The 13<sup>th</sup> page shows System Export KVARh.  
This page indicated by “KVARh”, “Sys” and “Exp” LED glow.



The 14<sup>th</sup> page shows System Import KVAh.  
This page indicated by “KVAh”, “Sys” and “Imp” LED glow.



The 15<sup>th</sup> page shows System Export KVAh.  
This page indicated by “KVAh”, “Sys” and “Exp” LED glow.



The 16<sup>th</sup> page shows Average Voltage, Average current and Neutral Current.

1<sup>st</sup> row display Average Voltage.

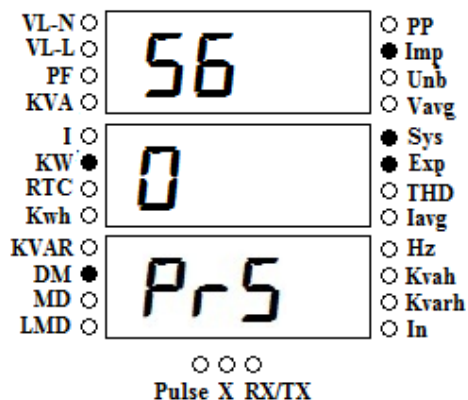
2<sup>nd</sup> row display Average Current.

3<sup>rd</sup> row display Neutral Current.

This page indicated by “Vavg”, “VL-N”, “lavg” and “In” LED glow.

In the 3P4W installation average of 3 Phase to Neutral Voltage display which is indicated by “VL-N” LED. In the 3P3W installation average of Phase to Phase voltage display, which indicated by “VL-L” LED.

In 3P3W and 1P2W installation, neutral current is not available.



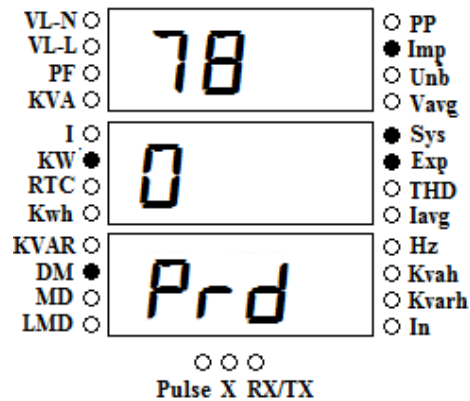
The 17<sup>th</sup> page shows SYSKW Present Demand for Import and Export.

1<sup>st</sup> row display Import SYSKW Demand.

2<sup>nd</sup> row display Export SYSKW Demand.

3<sup>rd</sup> row display “Pr5” indicates Present Demand.

This page indicated by “KW”, “DM”, “Imp”, “Exp” and “Sys” LED glow.



The 18<sup>th</sup> page shows SYSKW Predicated Demand for Import and Export.

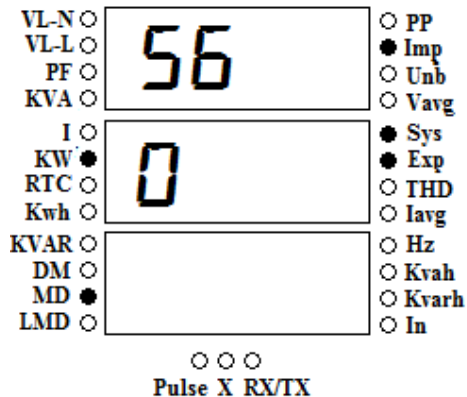
1<sup>st</sup> row display Import SYSKW Demand.

2<sup>nd</sup> row display Export SYSKW Demand.

3<sup>rd</sup> row display “P<sub>r</sub>d” indicates Predicated Demand.

SLM-PRO does not calculate Predicated Demand for S – 15 OR S – 30 (Sliding Window). So if sliding window selected then this page will be not available.

This page indicated by “KW”, “DM”, “Imp”, “Exp” and “Sys” LED glow.

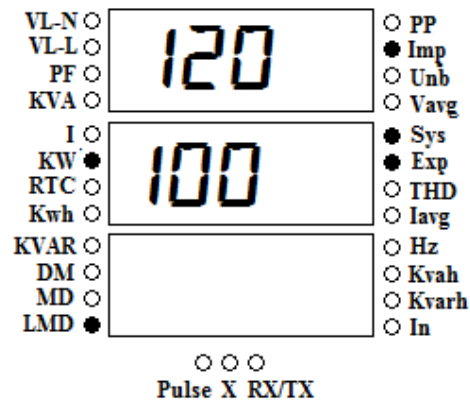


The 19<sup>th</sup> page shows SYSKW Maximum Demand for Import and Export.

1<sup>st</sup> row display Import SYSKW Maximum Demand.

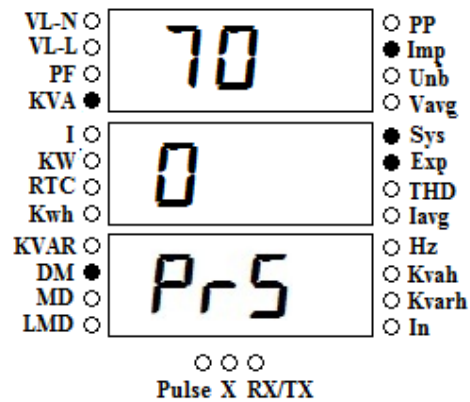
2<sup>nd</sup> row display Export SYSKW Maximum Demand.

This page indicated by “KW”, “MD”, “Imp”, “Exp” and “Sys” LED glow.

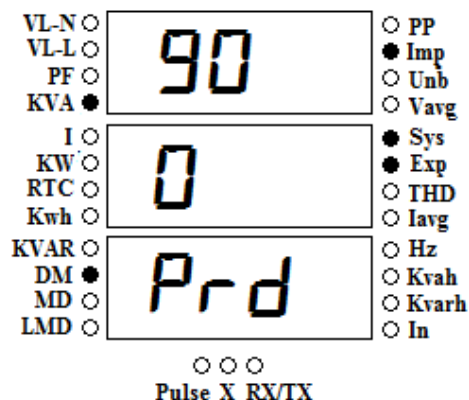


The 20<sup>th</sup> page shows SYSKW Last Maximum Demand for Import and Export.  
 1<sup>st</sup> row display Import SYSKW Last Maximum Demand.  
 2<sup>nd</sup> row display Export SYSKW Last Maximum Demand.

This page indicated by “KW”, “LMD”, “Imp”, “Exp” and “Sys” LED glow.



The 21<sup>th</sup> page shows SYSKVA Present Demand for Import and Export.  
 1<sup>st</sup> row display Import SYSKVA Demand.  
 2<sup>nd</sup> row display Export SYSKVA Demand.  
 3<sup>rd</sup> row display “Pr5” indicates Present Demand.  
 This page indicated by “KVA”, “DM”, “Imp”, “Exp” and “Sys” LED glow.



The 22<sup>th</sup> page shows SYSKVA Predicated Demand for Import and Export.

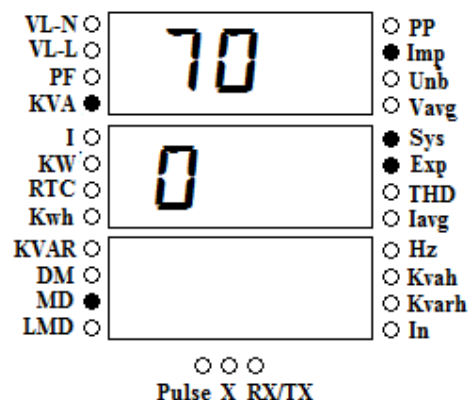
1<sup>st</sup> row display Import SYSKVA Demand.

2<sup>nd</sup> row display Export SYSKVA Demand.

3<sup>rd</sup> row display "Prd" indicates Predicated Demand.

SLM-PRO does not calculate Predicated Demand for S – 15 OR S – 30 (Sliding Window). So if sliding window selected then this page will be not available.

This page indicated by "KVA", "DM", "Imp", "Exp" and "Sys" LED glow.

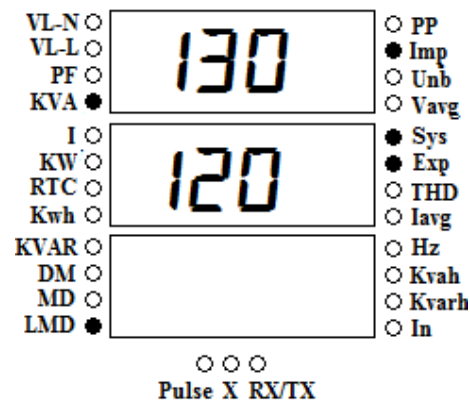


The 23<sup>th</sup> page shows SYSKVA Maximum Demand for Import and Export.

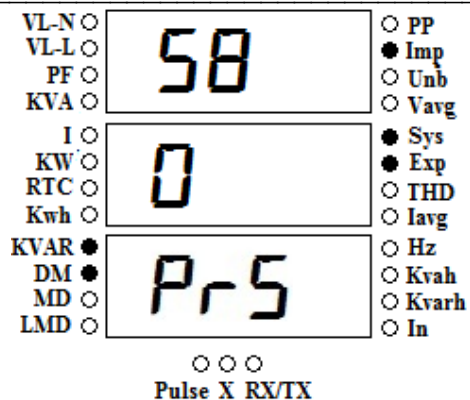
1<sup>st</sup> row display Import SYSKVA Maximum Demand.

2<sup>nd</sup> row display Export SYSKVA Maximum Demand.

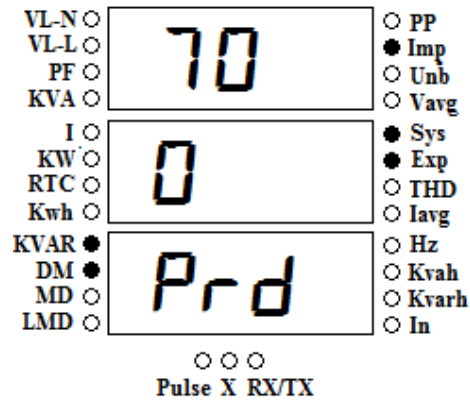
This page indicated by "KVA", "MD", "Imp", "Exp" and "Sys" LED glow.



The 24<sup>th</sup> page shows SYSKVA Last Maximum Demand for Import and Export.  
1<sup>st</sup> row display Import SYSKVA Last Maximum Demand.  
2<sup>nd</sup> row display Export SYSKVA Last Maximum Demand.  
This page indicated by “KVA”, “LMD”, “Imp”, “Exp” and “Sys” LED glow.



The 25<sup>th</sup> page shows SYSKVAR Present Demand for Import and Export.  
1<sup>st</sup> row display Import SYSKVAR Demand.  
2<sup>nd</sup> row display Export SYSKVAR Demand.  
3<sup>rd</sup> row display “Pr5” indicates Present Demand.  
This page indicated by “KVAR”, “DM”, “Imp”, “Exp” and “Sys” LED glow.



The 26<sup>th</sup> page shows SYSKVAR Predicated Demand for Import and Export.

1<sup>st</sup> row display Import SYSKVAR Demand.

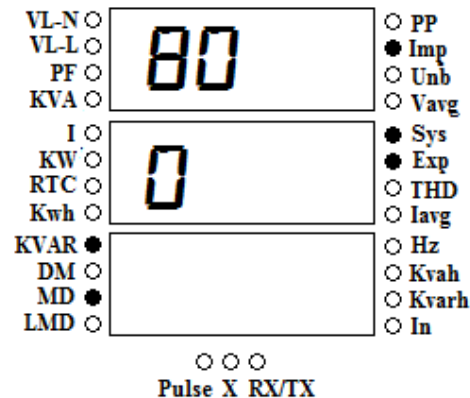
2<sup>nd</sup> row display Export SYSKVAR Demand.

3<sup>rd</sup> row display “Prd” indicates Predicated Demand.

SLM-PRO does not calculate Predicated Demand for S – 15 OR S – 30 (Sliding Window). So if sliding window selected then this page will be not available.

This page indicated by “KVAR”, “DM”, “Imp”, “Exp” and “Sys” LED glow.

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The 27<sup>th</sup> page shows SYSKVAR Maximum Demand for Import and Export.

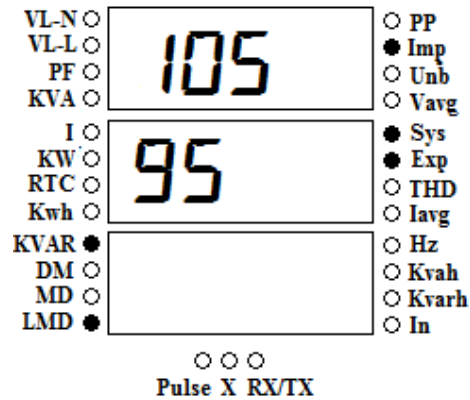
1<sup>st</sup> row display Import SYSKVAR Maximum Demand.

2<sup>nd</sup> row display Export SYSKVAR Maximum Demand.

This page indicated by “KVAR”, “MD”, “Imp”, “Exp” and “Sys” LED glow.

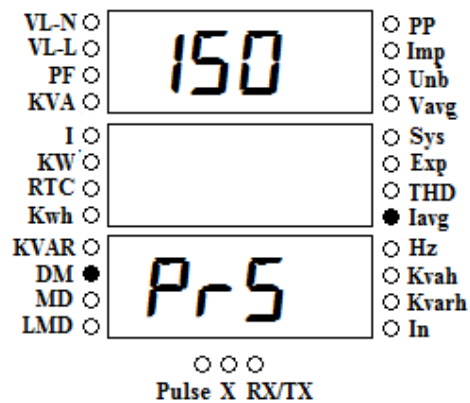
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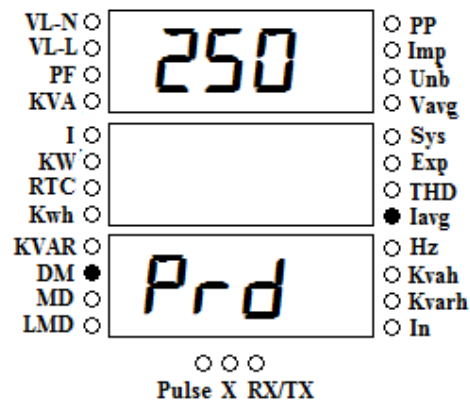


The 28<sup>th</sup> page shows SYSKVAR Last Maximum Demand for Import and Export.  
 1<sup>st</sup> row display Import SYSKVAR Last Maximum Demand.  
 2<sup>nd</sup> row display Export SYSKVAR Last Maximum Demand.

This page indicated by “KVAR”, “LMD”, “Imp”, “Exp” and “Sys” LED glow.



The 29<sup>th</sup> page shows Average Current Present Demand.  
 1<sup>st</sup> row display Average Current Demand.  
 3<sup>rd</sup> row display “Pr5” indicates Present Demand.  
 This page indicated by “lavg” and “DM” LED glow.



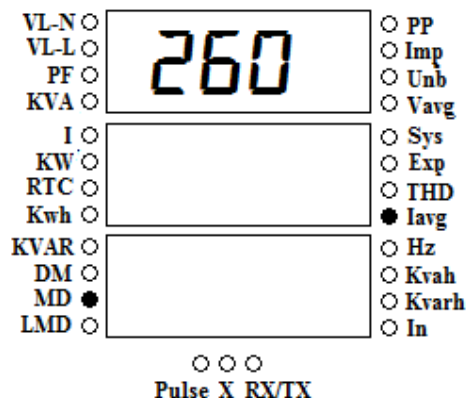
The 30<sup>th</sup> page shows Average Current Predicated Demand.

1<sup>st</sup> row display Average Current Demand.

3<sup>rd</sup> row display “P<sub>r</sub>d” indicates Predicated Demand.

SLM-PRO does not calculate Predicated Demand for S – 15 OR S – 30 (Sliding Window). So if sliding window selected then this page will be not available.

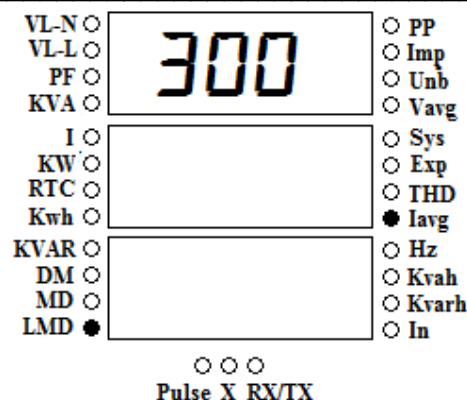
This page indicated by “**lavg**” and “**DM**” LED glow.



The 31<sup>th</sup> page shows Average Current Maximum Demand.

1<sup>st</sup> row display Average Current Maximum Demand.

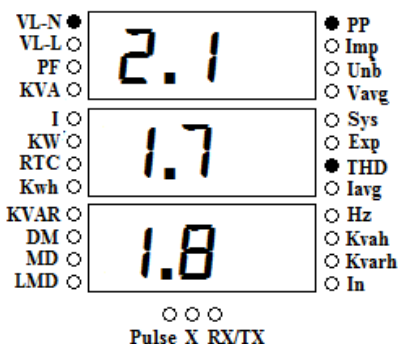
This page indicated by “**lavg**” and “**MD**” LED glow.



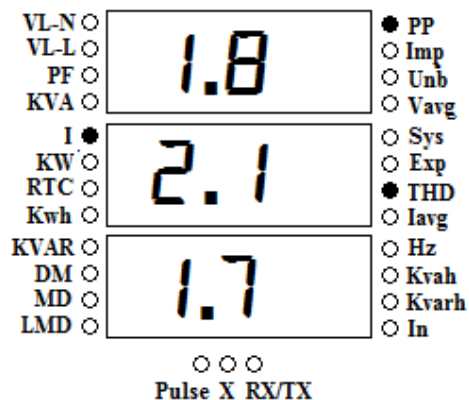
The 32<sup>th</sup> page shows Average Current Last Maximum Demand.

1<sup>st</sup> row display Average Last Current Maximum Demand.

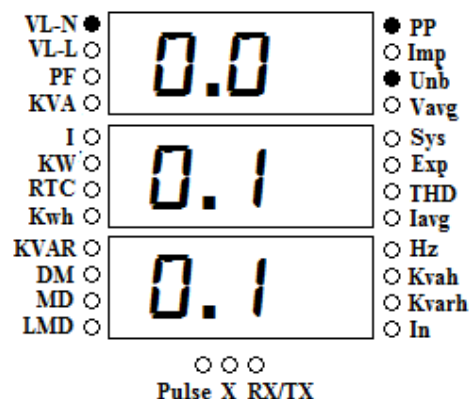
This page indicated by “**lavg**” and “**LMD**” LED glow.



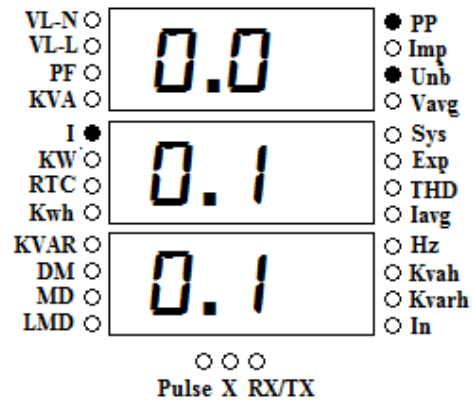
The 33<sup>th</sup> page shows Phase wise Voltage THD for R, Y and B phase. This page indicated by “VL-N”, “PP” and “THD” LED glow. In the 3P3W installation “VL-L” LED glow instead of the “VL-N” LED.



The 34<sup>th</sup> page shows Phase wise Current THD for R, Y and B Phase. This page indicated by “I”, “PP” and “THD” LEDs glow.

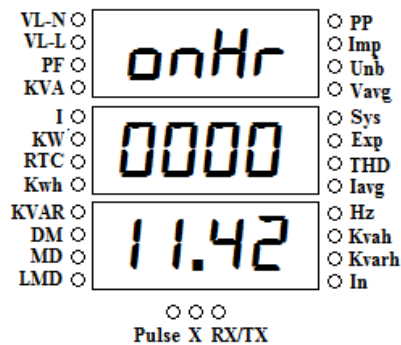


The 35<sup>th</sup> page shows Phase to Neutral/Phase to Phase Voltage unbalance Percentage. Unbalance Percentage is with respect to maximum Voltage. This page indicated by “VL-N”, “PP” and “Unb” LED glow. In the 3P3W installation “VL-L” LED glow instead of the “VL-N” LED.



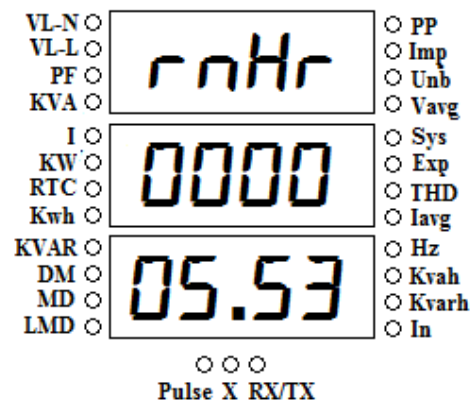
The 36<sup>th</sup> page shows current unbalance Percentage. Unbalance Percentage is with respect to maximum Amps.

This page indicated by “I”, “PP” and “Unb” LED glow.



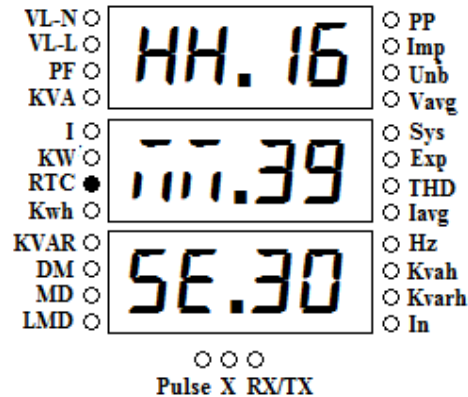
The 37<sup>th</sup> page shows ON Hour.

This page indicated by “onHr” on the display.



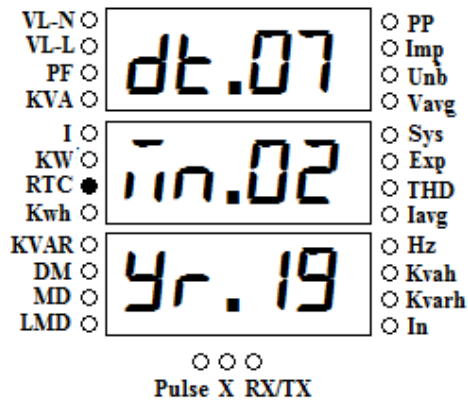
The 38<sup>th</sup> page shows RUN Hour.

This page indicated by “*rnHr*” on the display.



The 39<sup>th</sup> page shows RTC Hour, Minute and Second.

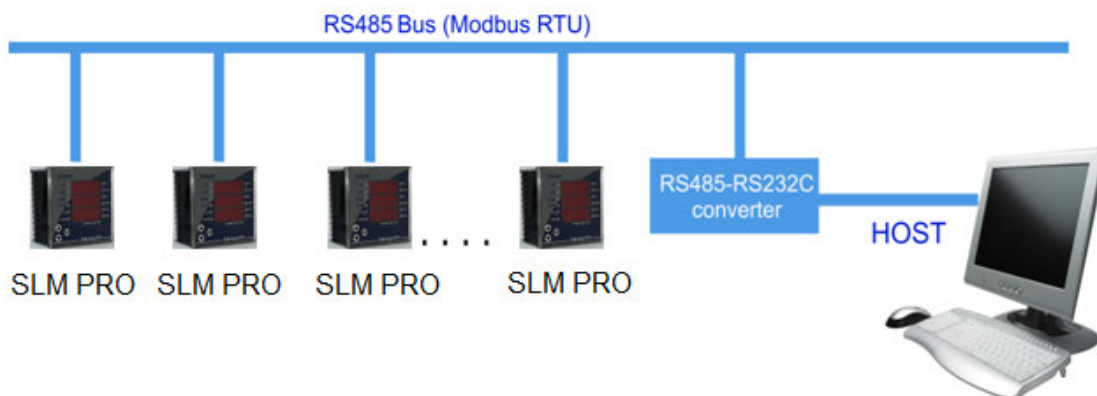
This page indicated by “*HH*(Hour)”, “*mm*(Minute)” and “*SE*(second)” on the display and “**RTC**” LED glow.



The 40<sup>th</sup> page shows RTC Date, Month and Year.

This page indicated by “*dt* (Date)”, “*mm* (Month)” and “*Yr* (Year)” on the display and “**RTC**” LED glow.

## Communication



### RS485 CONNECTION

The industrial standard RS-485 communication port option is also available in **SLM-PRO**. This option makes it possible for a user to select **SLM-PRO** to provide power and energy information into a variety of existing or new control systems and communication networks such as EMS/PLC/SCADA.

#### Modbus RTU on RS485 Port

In order to monitor live data for the various system parameters, user can use RS485 connecting to SCADA or EMS software. SLM-PRO supports an two wire RS485 port with MODBUS-RTU protocol. The station ID for each meter is site selectable. The data which can be read using MODBUS query # 3 (Read Holding Registers) is provided in an address map, with the applicable multiplication factors, vide **Appendix**.

Communication line parameters: 9600 or 19200 or 38400/8/N/1.

The register map is described below. All addresses are in decimal. If illegal address is sent in the query or the host tries to read more than 254 bytes of data in one query, exception message is generated. The parameters name, address, Data format and multiplication factor are mentioned in Appendix.

### Appendix

| ADDRESS | PARAMETER - 3P4W | PARAMETER - 3P3W | PARAMETER - 1P2W | FORMATE       | MF  |
|---------|------------------|------------------|------------------|---------------|-----|
| 200     | VRN              | RESERVE          | VRN              | UNSIGNED LONG | 100 |
| 202     | VYN              | RESERVE          | RESERVE          | UNSIGNED LONG | 100 |
| 204     | VBN              | RESERVE          | RESERVE          | UNSIGNED LONG | 100 |

|     |                   |         |                   |               |      |
|-----|-------------------|---------|-------------------|---------------|------|
| 206 | AVG_VPN           | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 208 | VRY               | VRY     | RESERVE           | UNSIGNED LONG | 100  |
| 210 | VYB               | VYB     | RESERVE           | UNSIGNED LONG | 100  |
| 212 | VBR               | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 214 | AVG_VPP           | AVG_VPP | RESERVE           | UNSIGNED LONG | 100  |
| 216 | IR                | IR      | IR                | UNSIGNED LONG | 100  |
| 218 | IY                | IY      | RESERVE           | UNSIGNED LONG | 100  |
| 220 | IB                | IB      | RESERVE           | UNSIGNED LONG | 100  |
| 222 | AVG_AMP           | AVG_AMP | RESERVE           | UNSIGNED LONG | 100  |
| 224 | IN                | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 226 | PF_R              | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 227 | PF_Y              | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 228 | PF_B              | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 229 | SYS_PF            | SYS_PF  | SYS_PF            | SIGNED INT    | 1000 |
| 230 | PF_R_DISPLACEMENT | RESERVE | PF_R_DISPLACEMENT | SIGNED INT    | 1000 |
| 231 | PF_Y_DISPLACEMENT | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 232 | PF_B_DISPLACEMENT | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 233 | PF_R_DISTORTION   | RESERVE | PF_R_DISTORTION   | SIGNED INT    | 1000 |
| 234 | PF_Y_DISTORTION   | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 235 | PF_B_DISTORTION   | RESERVE | RESERVE           | SIGNED INT    | 1000 |
| 236 | KW_R              | KW_R    | RESERVE           | UNSIGNED LONG | 100  |
| 238 | KW_Y              | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 240 | KW_B              | KW_B    | RESERVE           | UNSIGNED LONG | 100  |
| 242 | SYS_KW            | SYS_KW  | SYS_KW            | UNSIGNED LONG | 100  |
| 244 | KVA_R             | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 246 | KVA_Y             | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 248 | KVA_B             | RESERVE | RESERVE           | UNSIGNED LONG | 100  |
| 250 | SYS_KVA           | SYS_KVA | SYS_KVA           | UNSIGNED LONG | 100  |

|     |                                    |                                   |                                   |               |     |
|-----|------------------------------------|-----------------------------------|-----------------------------------|---------------|-----|
| 252 | KVAR_R                             | KVAR_R                            | RESERVE                           | UNSIGNED LONG | 100 |
| 254 | KVAR_Y                             | RESERVE                           | RESERVE                           | UNSIGNED LONG | 100 |
| 256 | KVAR_B                             | KVAR_B                            | RESERVE                           | UNSIGNED LONG | 100 |
| 258 | SYS_KVAR                           | SYS_KVAR                          | SYS_KVAR                          | UNSIGNED LONG | 100 |
| 260 | SYS_FREQ                           | SYS_FREQ                          | SYS_FREQ                          | UNSIGNED INT  | 100 |
| 261 | R PHASE IMPORT - EXPORT INDICATION | RESERVE                           | RESERVE                           | UNSIGNED INT  | 1   |
| 262 | Y PHASE IMPORT - EXPORT INDICATION | RESERVE                           | RESERVE                           | UNSIGNED INT  | 1   |
| 263 | B PHASE IMPORT - EXPORT INDICATION | RESERVE                           | RESERVE                           | UNSIGNED INT  | 1   |
| 264 | SYSTEM IMPORT - EXPORT INDICATION  | SYSTEM IMPORT - EXPORT INDICATION | SYSTEM IMPORT - EXPORT INDICATION | UNSIGNED INT  | 1   |
| 265 | KWH1- IMPORT                       | KWH1- IMPORT                      | KWH1- IMPORT                      | UNSIGNED LONG | 1   |
| 267 | KWH2- IMPORT                       | KWH2- IMPORT                      | KWH2- IMPORT                      | UNSIGNED LONG | 100 |
| 269 | KWH1 - EXPORT                      | KWH1 - EXPORT                     | KWH1 - EXPORT                     | UNSIGNED LONG | 1   |
| 271 | KWH2 - EXPORT                      | KWH2 - EXPORT                     | KWH2 - EXPORT                     | UNSIGNED LONG | 100 |
| 273 | NET KWH1                           | NET KWH1                          | NET KWH1                          | UNSIGNED LONG | 1   |
| 275 | NET KWH2                           | NET KWH2                          | NET KWH2                          | UNSIGNED LONG | 100 |
| 277 | NET KWH-SIGN MULTIPLIER            | NET KWH-SIGN MULTIPLIER           | NET KWH-SIGN MULTIPLIER           | SIGNED INT    | 1   |
| 278 | KVAH1 - IMPORT                     | KVAH1 – IMPORT                    | KVAH1 – IMPORT                    | UNSIGNED LONG | 1   |
| 280 | KVAH2 - IMPORT                     | KVAH2 - IMPORT                    | KVAH2 - IMPORT                    | UNSIGNED LONG | 100 |
| 282 | KVAH1 -EXPORT                      | KVAH1 -EXPORT                     | KVAH1 -EXPORT                     | UNSIGNED LONG | 1   |
| 284 | KVAH2 -EXPORT                      | KVAH2 -EXPORT                     | KVAH2 -EXPORT                     | UNSIGNED LONG | 100 |
| 286 | NET KVAH1                          | NET KVAH1                         | NET KVAH1                         | UNSIGNED LONG | 1   |
| 288 | NET KVAH2                          | NET KVAH2                         | NET KVAH2                         | UNSIGNED LONG | 100 |
| 290 | NET KVAH – SIGN MULTIPLIER         | NET KVAH – SIGN MULTIPLIER        | NET KVAH – SIGN MULTIPLIER        | SIGNED INT    | 1   |
| 291 | KVARH1-IMPORT                      | KVARH1-IMPORT                     | KVARH1-IMPORT                     | UNSIGNED LONG | 1   |
| 293 | KVARH2-IMPORT                      | KVARH2-IMPORT                     | KVARH2-IMPORT                     | UNSIGNED LONG | 100 |
| 295 | KVARH1-EXPORT                      | KVARH1-EXPORT                     | KVARH1-EXPORT                     | UNSIGNED LONG | 1   |
| 297 | KVARH2-EXPORT                      | KVARH2-EXPORT                     | KVARH2-EXPORT                     | UNSIGNED LONG | 100 |
| 299 | NET KVARH1                         | NET KVARH1                        | NET KVARH1                        | UNSIGNED LONG | 1   |



|     |                             |                             |                             |               |     |
|-----|-----------------------------|-----------------------------|-----------------------------|---------------|-----|
| 301 | NET KVARH2                  | NET KVARH2                  | NET KVARH2                  | UNSIGNED LONG | 100 |
| 303 | NET KVARH – SIGN MULTIPLIER | NET KVARH – SIGN MULTIPLIER | NET KVARH – SIGN MULTIPLIER | SIGNED INT    | 1   |
| 304 | PRESENT - KW-DMD - IMPORT   | PRESENT - KW-DMD - IMPORT   | PRESENT - KW-DMD - IMPORT   | UNSIGNED INT  | 1   |
| 305 | PRESENT - KW-DMD - EXPORT   | PRESENT - KW-DMD - EXPORT   | PRESENT - KW-DMD - EXPORT   | UNSIGNED INT  | 1   |
| 306 | PREDICTED - KW-DMD-IMPORT   | PREDICTED - KW-DMD-IMPORT   | PREDICTED - KW-DMD-IMPORT   | UNSIGNED INT  | 1   |
| 307 | PREDICATED - KW-DMD-EXPORT  | PREDICATED - KW-DMD-EXPORT  | PREDICATED - KW-DMD-EXPORT  | UNSIGNED INT  | 1   |
| 308 | KW-MD-IMPORT                | KW-MD-IMPORT                | KW-MD-IMPORT                | UNSIGNED INT  | 1   |
| 309 | KW-MD-IMPORT -DATE          | KW-MD-IMPORT -DATE          | KW-MD-IMPORT -DATE          | UNSIGNED INT  | 1   |
| 310 | KW-MD - IMPORT - MONTH      | KW-MD - IMPORT - MONTH      | KW-MD - IMPORT - MONTH      | UNSIGNED INT  | 1   |
| 311 | KW - MD - IMPORT - YEAR     | KW - MD - IMPORT - YEAR     | KW - MD - IMPORT - YEAR     | UNSIGNED INT  | 1   |
| 312 | KW - MD - IMPORT - HOUR     | KW - MD - IMPORT - HOUR     | KW - MD - IMPORT - HOUR     | UNSIGNED INT  | 1   |
| 313 | KW - MD - IMPORT - MINUTE   | KW - MD - IMPORT - MINUTE   | KW - MD - IMPORT - MINUTE   | UNSIGNED INT  | 1   |
| 314 | KW - MD - IMPORT - SECOND   | KW - MD - IMPORT - SECOND   | KW - MD - IMPORT - SECOND   | UNSIGNED INT  | 1   |
| 315 | KW-MD-EXPORT                | KW-MD-EXPORT                | KW-MD-EXPORT                | UNSIGNED INT  | 1   |
| 316 | KW-MD-EXPORT -DATE          | KW-MD-EXPORT -DATE          | KW-MD-EXPORT -DATE          | UNSIGNED INT  | 1   |
| 317 | KW-MD - EXPORT - MONTH      | KW-MD - EXPORT - MONTH      | KW-MD - EXPORT - MONTH      | UNSIGNED INT  | 1   |
| 318 | KW - MD - EXPORT - YEAR     | KW - MD - EXPORT - YEAR     | KW - MD - EXPORT - YEAR     | UNSIGNED INT  | 1   |
| 319 | KW - MD - EXPORT - HOUR     | KW - MD - EXPORT - HOUR     | KW - MD - EXPORT - HOUR     | UNSIGNED INT  | 1   |
| 320 | KW - MD - EXPORT - MINUTE   | KW - MD - EXPORT - MINUTE   | KW - MD - EXPORT - MINUTE   | UNSIGNED INT  | 1   |
| 321 | KW - MD - EXPORT - SECOND   | KW - MD - EXPORT - SECOND   | KW - MD - EXPORT - SECOND   | UNSIGNED INT  | 1   |
| 322 | KW-LMD-IMPORT               | KW-LMD-IMPORT               | KW-LMD-IMPORT               | UNSIGNED INT  | 1   |
| 323 | KW-LMD-IMPORT -DATE         | KW-LMD-IMPORT -DATE         | KW-LMD-IMPORT -DATE         | UNSIGNED INT  | 1   |
| 324 | KW-LMD - IMPORT - MONTH     | KW-LMD - IMPORT - MONTH     | KW-LMD - IMPORT - MONTH     | UNSIGNED INT  | 1   |
| 325 | KW - LMD - IMPORT - YEAR    | KW - LMD - IMPORT - YEAR    | KW - LMD - IMPORT - YEAR    | UNSIGNED INT  | 1   |
| 326 | KW - LMD - IMPORT - HOUR    | KW - LMD - IMPORT - HOUR    | KW - LMD - IMPORT - HOUR    | UNSIGNED INT  | 1   |
| 327 | KW - LMD - IMPORT - MINUTE  | KW - LMD - IMPORT - MINUTE  | KW - LMD - IMPORT - MINUTE  | UNSIGNED INT  | 1   |
| 328 | KW -LMD - IMPORT - SECOND   | KW -LMD - IMPORT - SECOND   | KW -LMD - IMPORT - SECOND   | UNSIGNED INT  | 1   |
| 329 | KW-LMD-EXPORT               | KW-LMD-EXPORT               | KW-LMD-EXPORT               | UNSIGNED INT  | 1   |

|     |                             |                             |                             |              |   |
|-----|-----------------------------|-----------------------------|-----------------------------|--------------|---|
| 330 | KW-LMD-EXPORT -DATE         | KW-LMD-EXPORT -DATE         | KW-LMD-EXPORT -DATE         | UNSIGNED INT | 1 |
| 331 | KW-LMD - EXPORT - MONTH     | KW-LMD - EXPORT - MONTH     | KW-LMD - EXPORT - MONTH     | UNSIGNED INT | 1 |
| 332 | KW - LMD - EXPORT - YEAR    | KW - LMD - EXPORT - YEAR    | KW - LMD - EXPORT - YEAR    | UNSIGNED INT | 1 |
| 333 | KW - LMD - EXPORT - HOUR    | KW - LMD - EXPORT - HOUR    | KW - LMD - EXPORT - HOUR    | UNSIGNED INT | 1 |
| 334 | KW - LMD - EXPORT - MINUTE  | KW - LMD - EXPORT - MINUTE  | KW - LMD - EXPORT - MINUTE  | UNSIGNED INT | 1 |
| 335 | KW - LMD - EXPORT - SECOND  | KW - LMD - EXPORT - SECOND  | KW - LMD - EXPORT - SECOND  | UNSIGNED INT | 1 |
| 336 | PRESENT - KVA-DMD - IMPORT  | PRESENT - KVA-DMD - IMPORT  | PRESENT - KVA-DMD - IMPORT  | UNSIGNED INT | 1 |
| 337 | PRESENT - KVA-DMD - EXPORT  | PRESENT - KVA-DMD - EXPORT  | PRESENT - KVA-DMD - EXPORT  | UNSIGNED INT | 1 |
| 338 | PREDICTED - KVA-DMD-IMPORT  | PREDICTED - KVA-DMD-IMPORT  | PREDICTED - KVA-DMD-IMPORT  | UNSIGNED INT | 1 |
| 339 | PREDICATED - KVA-DMD-EXPORT | PREDICATED - KVA-DMD-EXPORT | PREDICATED - KVA-DMD-EXPORT | UNSIGNED INT | 1 |
| 340 | KVA-MD-IMPORT               | KVA-MD-IMPORT               | KVA-MD-IMPORT               | UNSIGNED INT | 1 |
| 341 | KVA-MD-IMPORT -DATE         | KVA-MD-IMPORT -DATE         | KVA-MD-IMPORT -DATE         | UNSIGNED INT | 1 |
| 342 | KVA-MD - IMPORT - MONTH     | KVA-MD - IMPORT - MONTH     | KVA-MD - IMPORT - MONTH     | UNSIGNED INT | 1 |
| 343 | KVA - MD - IMPORT - YEAR    | KVA - MD - IMPORT - YEAR    | KVA - MD - IMPORT - YEAR    | UNSIGNED INT | 1 |
| 344 | KVA - MD - IMPORT - HOUR    | KVA - MD - IMPORT - HOUR    | KVA - MD - IMPORT - HOUR    | UNSIGNED INT | 1 |
| 345 | KVA - MD - IMPORT - MINUTE  | KVA - MD - IMPORT - MINUTE  | KVA - MD - IMPORT - MINUTE  | UNSIGNED INT | 1 |
| 346 | KVA - MD - IMPORT - SECOND  | KVA - MD - IMPORT - SECOND  | KVA - MD - IMPORT - SECOND  | UNSIGNED INT | 1 |
| 347 | KVA-MD-EXPORT               | KVA-MD-EXPORT               | KVA-MD-EXPORT               | UNSIGNED INT | 1 |
| 348 | KVA-MD-EXPORT -DATE         | KVA-MD-EXPORT -DATE         | KVA-MD-EXPORT -DATE         | UNSIGNED INT | 1 |
| 349 | KVA-MD - EXPORT - MONTH     | KVA-MD - EXPORT - MONTH     | KVA-MD - EXPORT - MONTH     | UNSIGNED INT | 1 |
| 350 | KVA - MD - EXPORT - YEAR    | KVA - MD - EXPORT - YEAR    | KVA - MD - EXPORT - YEAR    | UNSIGNED INT | 1 |
| 351 | KVA - MD - EXPORT - HOUR    | KVA - MD - EXPORT - HOUR    | KVA - MD - EXPORT - HOUR    | UNSIGNED INT | 1 |
| 352 | KVA - MD - EXPORT - MINUTE  | KVA - MD - EXPORT - MINUTE  | KVA - MD - EXPORT - MINUTE  | UNSIGNED INT | 1 |
| 353 | KVA - MD - EXPORT - SECOND  | KVA - MD - EXPORT - SECOND  | KVA - MD - EXPORT - SECOND  | UNSIGNED INT | 1 |
| 354 | KVA-LMD-IMPORT              | KVA-LMD-IMPORT              | KVA-LMD-IMPORT              | UNSIGNED INT | 1 |
| 355 | KVA-LMD-IMPORT -DATE        | KVA-LMD-IMPORT -DATE        | KVA-LMD-IMPORT -DATE        | UNSIGNED INT | 1 |
| 356 | KVA-LMD - IMPORT - MONTH    | KVA-LMD - IMPORT - MONTH    | KVA-LMD - IMPORT - MONTH    | UNSIGNED INT | 1 |
| 357 | KVA - LMD - IMPORT - YEAR   | KVA - LMD - IMPORT - YEAR   | KVA - LMD - IMPORT - YEAR   | UNSIGNED INT | 1 |

|     |                              |                              |                              |              |   |
|-----|------------------------------|------------------------------|------------------------------|--------------|---|
| 358 | KVA - LMD - IMPORT - HOUR    | KVA - LMD - IMPORT - HOUR    | KVA - LMD - IMPORT - HOUR    | UNSIGNED INT | 1 |
| 359 | KVA - LMD - IMPORT - MINUTE  | KVA - LMD - IMPORT - MINUTE  | KVA - LMD - IMPORT - MINUTE  | UNSIGNED INT | 1 |
| 360 | KVA - LMD - IMPORT - SECOND  | KVA - LMD - IMPORT - SECOND  | KVA - LMD - IMPORT - SECOND  | UNSIGNED INT | 1 |
| 361 | KVA-LMD-EXPORT               | KVA-LMD-EXPORT               | KVA-LMD-EXPORT               | UNSIGNED INT | 1 |
| 362 | KVA-LMD-EXPORT -DATE         | KVA-LMD-EXPORT -DATE         | KVA-LMD-EXPORT -DATE         | UNSIGNED INT | 1 |
| 363 | KVA-LMD - EXPORT - MONTH     | KVA-LMD - EXPORT - MONTH     | KVA-LMD - EXPORT - MONTH     | UNSIGNED INT | 1 |
| 364 | KVA - LMD - EXPORT - YEAR    | KVA - LMD - EXPORT - YEAR    | KVA - LMD - EXPORT - YEAR    | UNSIGNED INT | 1 |
| 365 | KVA - LMD - EXPORT - HOUR    | KVA - LMD - EXPORT - HOUR    | KVA - LMD - EXPORT - HOUR    | UNSIGNED INT | 1 |
| 366 | KVA - LMD - EXPORT - MINUTE  | KVA - LMD - EXPORT - MINUTE  | KVA - LMD - EXPORT - MINUTE  | UNSIGNED INT | 1 |
| 367 | KVA - LMD - EXPORT - SECOND  | KVA - LMD - EXPORT - SECOND  | KVA - LMD - EXPORT - SECOND  | UNSIGNED INT | 1 |
| 368 | PRESENT - KVAR-DMD - IMPORT  | PRESENT - KVAR-DMD - IMPORT  | PRESENT - KVAR-DMD - IMPORT  | UNSIGNED INT | 1 |
| 369 | PRESENT - KVAR-DMD - EXPORT  | PRESENT - KVAR-DMD - EXPORT  | PRESENT - KVAR-DMD - EXPORT  | UNSIGNED INT | 1 |
| 370 | PREDICTED - KVAR-DMD-IMPORT  | PREDICTED - KVAR-DMD-IMPORT  | PREDICTED - KVAR-DMD-IMPORT  | UNSIGNED INT | 1 |
| 371 | PREDICATED - KVAR-DMD-EXPORT | PREDICATED - KVAR-DMD-EXPORT | PREDICATED - KVAR-DMD-EXPORT | UNSIGNED INT | 1 |
| 372 | KVAR-MD-IMPORT               | KVAR-MD-IMPORT               | KVAR-MD-IMPORT               | UNSIGNED INT | 1 |
| 373 | KVAR-MD-IMPORT -DATE         | KVAR-MD-IMPORT -DATE         | KVAR-MD-IMPORT -DATE         | UNSIGNED INT | 1 |
| 374 | KVAR-MD - IMPORT - MONTH     | KVAR-MD - IMPORT - MONTH     | KVAR-MD - IMPORT - MONTH     | UNSIGNED INT | 1 |
| 375 | KVAR - MD - IMPORT - YEAR    | KVAR - MD - IMPORT - YEAR    | KVAR - MD - IMPORT - YEAR    | UNSIGNED INT | 1 |
| 376 | KVAR - MD - IMPORT - HOUR    | KVAR - MD - IMPORT - HOUR    | KVAR - MD - IMPORT - HOUR    | UNSIGNED INT | 1 |
| 377 | KVAR - MD - IMPORT - MINUTE  | KVAR - MD - IMPORT - MINUTE  | KVAR - MD - IMPORT - MINUTE  | UNSIGNED INT | 1 |
| 378 | KVAR - MD - IMPORT - SECOND  | KVAR - MD - IMPORT - SECOND  | KVAR - MD - IMPORT - SECOND  | UNSIGNED INT | 1 |
| 379 | KVAR-MD-EXPORT               | KVAR-MD-EXPORT               | KVAR-MD-EXPORT               | UNSIGNED INT | 1 |
| 380 | KVAR-MD-EXPORT -DATE         | KVAR-MD-EXPORT -DATE         | KVAR-MD-EXPORT -DATE         | UNSIGNED INT | 1 |
| 381 | KVAR-MD - EXPORT - MONTH     | KVAR-MD - EXPORT - MONTH     | KVAR-MD - EXPORT - MONTH     | UNSIGNED INT | 1 |
| 382 | KVAR - MD - EXPORT - YEAR    | KVAR - MD - EXPORT - YEAR    | KVAR - MD - EXPORT - YEAR    | UNSIGNED INT | 1 |
| 383 | KVAR - MD - EXPORT - HOUR    | KVAR - MD - EXPORT - HOUR    | KVAR - MD - EXPORT - HOUR    | UNSIGNED INT | 1 |
| 384 | KVAR - MD - EXPORT - MINUTE  | KVAR - MD - EXPORT - MINUTE  | KVAR - MD - EXPORT - MINUTE  | UNSIGNED INT | 1 |
| 385 | KVAR - MD - EXPORT - SECOND  | KVAR - MD - EXPORT - SECOND  | KVAR - MD - EXPORT - SECOND  | UNSIGNED INT | 1 |

|     |                              |                              |                              |              |   |
|-----|------------------------------|------------------------------|------------------------------|--------------|---|
| 386 | KVAR-LMD-IMPORT              | KVAR-LMD-IMPORT              | KVAR-LMD-IMPORT              | UNSIGNED INT | 1 |
| 387 | KVAR-LMD-IMPORT -DATE        | KVAR-LMD-IMPORT -DATE        | KVAR-LMD-IMPORT -DATE        | UNSIGNED INT | 1 |
| 388 | KVAR-LMD - IMPORT - MONTH    | KVAR-LMD - IMPORT - MONTH    | KVAR-LMD - IMPORT - MONTH    | UNSIGNED INT | 1 |
| 389 | KVAR - LMD - IMPORT - YEAR   | KVAR - LMD - IMPORT - YEAR   | KVAR - LMD - IMPORT - YEAR   | UNSIGNED INT | 1 |
| 390 | KVAR - LMD - IMPORT - HOUR   | KVAR - LMD - IMPORT - HOUR   | KVAR - LMD - IMPORT - HOUR   | UNSIGNED INT | 1 |
| 391 | KVAR - LMD - IMPORT - MINUTE | KVAR - LMD - IMPORT - MINUTE | KVAR - LMD - IMPORT - MINUTE | UNSIGNED INT | 1 |
| 392 | KVAR -LMD - IMPORT - SECOND  | KVAR -LMD - IMPORT - SECOND  | KVAR -LMD - IMPORT - SECOND  | UNSIGNED INT | 1 |
| 393 | KVAR-LMD-EXPORT              | KVAR-LMD-EXPORT              | KVAR-LMD-EXPORT              | UNSIGNED INT | 1 |
| 394 | KVAR-LMD-EXPORT - DATE       | KVAR-LMD-EXPORT - DATE       | KVAR-LMD-EXPORT - DATE       | UNSIGNED INT | 1 |
| 395 | KVAR-LMD - EXPORT - MONTH    | KVAR-LMD - EXPORT - MONTH    | KVAR-LMD - EXPORT - MONTH    | UNSIGNED INT | 1 |
| 396 | KVAR - LMD - EXPORT - YEAR   | KVAR - LMD - EXPORT - YEAR   | KVAR - LMD - EXPORT - YEAR   | UNSIGNED INT | 1 |
| 397 | KVAR - LMD - EXPORT - HOUR   | KVAR - LMD - EXPORT - HOUR   | KVAR - LMD - EXPORT - HOUR   | UNSIGNED INT | 1 |
| 398 | KVAR - LMD - EXPORT - MINUTE | KVAR - LMD - EXPORT - MINUTE | KVAR - LMD - EXPORT - MINUTE | UNSIGNED INT | 1 |
| 399 | KVAR - LMD - EXPORT - SECOND | KVAR - LMD - EXPORT - SECOND | KVAR - LMD - EXPORT - SECOND | UNSIGNED INT | 1 |
| 400 | PRESENT - IAVG-DMD           | PRESENT - IAVG-DMD           | PRESENT - IAVG-DMD           | UNSIGNED INT | 1 |
| 401 | PREDICTED - IAVG-DMD         | PREDICTED - IAVG-DMD         | PREDICTED - IAVG-DMD         | UNSIGNED INT | 1 |
| 402 | IAVG-MD                      | IAVG-MD                      | IAVG-MD                      | UNSIGNED INT | 1 |
| 403 | IAVG-MD -DATE                | IAVG-MD -DATE                | IAVG-MD -DATE                | UNSIGNED INT | 1 |
| 404 | IAVG-MD - MONTH              | IAVG-MD - MONTH              | IAVG-MD - MONTH              | UNSIGNED INT | 1 |
| 405 | IAVG - MD - YEAR             | IAVG - MD - YEAR             | IAVG - MD - YEAR             | UNSIGNED INT | 1 |
| 406 | IAVG - MD - HOUR             | IAVG - MD - HOUR             | IAVG - MD - HOUR             | UNSIGNED INT | 1 |
| 407 | IAVG - MD - MINUTE           | IAVG - MD - MINUTE           | IAVG - MD - MINUTE           | UNSIGNED INT | 1 |
| 408 | IAVG - MD - SECOND           | IAVG - MD - SECOND           | IAVG - MD - SECOND           | UNSIGNED INT | 1 |
| 409 | IAVG-LMD                     | IAVG-LMD                     | IAVG-LMD                     | UNSIGNED INT | 1 |
| 410 | IAVG-LMD -DATE               | IAVG-LMD -DATE               | IAVG-LMD -DATE               | UNSIGNED INT | 1 |
| 411 | IAVG-LMD - MONTH             | IAVG-LMD - MONTH             | IAVG-LMD - MONTH             | UNSIGNED INT | 1 |
| 412 | IAVG - LMD - YEAR            | IAVG - LMD - YEAR            | IAVG - LMD - YEAR            | UNSIGNED INT | 1 |
| 413 | IAVG - LMD - HOUR            | IAVG - LMD - HOUR            | IAVG - LMD - HOUR            | UNSIGNED INT | 1 |

|     |                     |                     |                     |               |     |
|-----|---------------------|---------------------|---------------------|---------------|-----|
| 414 | IAVG - LMD - MINUTE | IAVG - LMD - MINUTE | IAVG - LMD - MINUTE | UNSIGNED INT  | 1   |
| 415 | IAVG - LMD - SECOND | IAVG - LMD - SECOND | IAVG - LMD - SECOND | UNSIGNED INT  | 1   |
| 416 | MIN_VRN             | RESERVE             | MIN_VRN             | UNSIGNED LONG | 100 |
| 418 | MIN_VRN_DATE        | RESERVE             | MIN_VRN_DATE        | UNSIGNED INT  | 1   |
| 419 | MIN_VRN_MONTH       | RESERVE             | MIN_VRN_MONTH       | UNSIGNED INT  | 1   |
| 420 | MIN_VRN_YEAR        | RESERVE             | MIN_VRN_YEAR        | UNSIGNED INT  | 1   |
| 421 | MIN_VRN_HOUR        | RESERVE             | MIN_VRN_HOUR        | UNSIGNED INT  | 1   |
| 422 | MIN_VRN_MINUTE      | RESERVE             | MIN_VRN_MINUTE      | UNSIGNED INT  | 1   |
| 423 | MIN_VRN_SECOND      | RESERVE             | MIN_VRN_SECOND      | UNSIGNED INT  | 1   |
| 424 | MIN_VYN             | RESERVE             | RESERVE             | UNSIGNED LONG | 100 |
| 426 | MIN_VYN_DATE        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 427 | MIN_VYN_MONTH       | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 428 | MIN_VYN_YEAR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 429 | MIN_VYN_HOUR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 430 | MIN_VYN_MINUTE      | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 431 | MIN_VYN_SECOND      | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 432 | MIN_VBN             | RESERVE             | RESERVE             | UNSIGNED LONG | 100 |
| 434 | MIN_VBN_DATE        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 435 | MIN_VBN_MONTH       | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 436 | MIN_VBN_YEAR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 437 | MIN_VBN_HOUR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 438 | MIN_VBN_MINUTE      | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 439 | MIN_VBN_SECOND      | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 440 | MIN_AVG_VPN         | RESERVE             | RESERVE             | UNSIGNED LONG | 100 |
| 442 | MIN_AVG_VPN_DATE    | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 443 | MIN_AVG_VPN_MONTH   | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 444 | MIN_AVG_VPN_YEAR    | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 445 | MIN_AVG_VPN_HOUR    | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |

|     |                    |                   |         |               |     |
|-----|--------------------|-------------------|---------|---------------|-----|
| 446 | MIN_AVG_VPN_MINUTE | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 447 | MIN_AVG_VPN_SECOND | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 448 | MIN_VRY            | MIN_VRY           | RESERVE | UNSIGNED LONG | 100 |
| 450 | MIN_VRY_DATE       | MIN_VRY_DATE      | RESERVE | UNSIGNED INT  | 1   |
| 451 | MIN_VRY_MONTH      | MIN_VRY_MONTH     | RESERVE | UNSIGNED INT  | 1   |
| 452 | MIN_VRY_YEAR       | MIN_VRY_YEAR      | RESERVE | UNSIGNED INT  | 1   |
| 453 | MIN_VRY_HOUR       | MIN_VRY_HOUR      | RESERVE | UNSIGNED INT  | 1   |
| 454 | MIN_VRY_MINUTE     | MIN_VRY_MINUTE    | RESERVE | UNSIGNED INT  | 1   |
| 455 | MIN_VRY_SECOND     | MIN_VRY_SECOND    | RESERVE | UNSIGNED INT  | 1   |
| 456 | MIN_VYB            | MIN_VYB           | RESERVE | UNSIGNED LONG | 100 |
| 458 | MIN_VYB_DATE       | MIN_VYB_DATE      | RESERVE | UNSIGNED INT  | 1   |
| 459 | MIN_VYB_MONTH      | MIN_VYB_MONTH     | RESERVE | UNSIGNED INT  | 1   |
| 460 | MIN_VYB_YEAR       | MIN_VYB_YEAR      | RESERVE | UNSIGNED INT  | 1   |
| 461 | MIN_VYB_HOUR       | MIN_VYB_HOUR      | RESERVE | UNSIGNED INT  | 1   |
| 462 | MIN_VYB_MINUTE     | MIN_VYB_MINUTE    | RESERVE | UNSIGNED INT  | 1   |
| 463 | MIN_VYB_SECOND     | MIN_VYB_SECOND    | RESERVE | UNSIGNED INT  | 1   |
| 464 | MIN_VBR            | RESERVE           | RESERVE | UNSIGNED LONG | 100 |
| 466 | MIN_VBR_DATE       | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 467 | MIN_VBR_MONTH      | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 468 | MIN_VBR_YEAR       | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 469 | MIN_VBR_HOUR       | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 470 | MIN_VBR_MINUTE     | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 471 | MIN_VBR_SECOND     | RESERVE           | RESERVE | UNSIGNED INT  | 1   |
| 472 | MIN_AVG_VPP        | MIN_AVG_VPP       | RESERVE | UNSIGNED LONG | 100 |
| 474 | MIN_AVG_VPP_DATE   | MIN_AVG_VPP_DATE  | RESERVE | UNSIGNED INT  | 1   |
| 475 | MIN_AVG_VPP_MONTH  | MIN_AVG_VPP_MONTH | RESERVE | UNSIGNED INT  | 1   |
| 476 | MIN_AVG_VPP_YEAR   | MIN_AVG_VPP_YEAR  | RESERVE | UNSIGNED INT  | 1   |
| 477 | MIN_AVG_VPP_HOUR   | MIN_AVG_VPP_HOUR  | RESERVE | UNSIGNED INT  | 1   |

|     |                    |                    |               |               |     |
|-----|--------------------|--------------------|---------------|---------------|-----|
| 478 | MIN_AVG_VPP_MINUTE | MIN_AVG_VPP_MINUTE | RESERVE       | UNSIGNED INT  | 1   |
| 479 | MIN_AVG_VPP_SECOND | MIN_AVG_VPP_SECOND | RESERVE       | UNSIGNED INT  | 1   |
| 480 | MIN_IR             | MIN_IR             | MIN_IR        | UNSIGNED LONG | 100 |
| 482 | MIN_IR_DATE        | MIN_IR_DATE        | MIN_IR_DATE   | UNSIGNED INT  | 1   |
| 483 | MIN_IR_MONTH       | MIN_IR_MONTH       | MIN_IR_MONTH  | UNSIGNED INT  | 1   |
| 484 | MIN_IR_YEAR        | MIN_IR_YEAR        | MIN_IR_YEAR   | UNSIGNED INT  | 1   |
| 485 | MIN_IR_HOUR        | MIN_IR_HOUR        | MIN_IR_HOUR   | UNSIGNED INT  | 1   |
| 486 | MIN_IR_MINUTE      | MIN_IR_MINUTE      | MIN_IR_MINUTE | UNSIGNED INT  | 1   |
| 487 | MIN_IR_SECOND      | MIN_IR_SECOND      | MIN_IR_SECOND | UNSIGNED INT  | 1   |
| 488 | MIN_IY             | MIN_IY             | RESERVE       | UNSIGNED LONG | 100 |
| 490 | MIN_IY_DATE        | MIN_IY_DATE        | RESERVE       | UNSIGNED INT  | 1   |
| 491 | MIN_IY_MONTH       | MIN_IY_MONTH       | RESERVE       | UNSIGNED INT  | 1   |
| 492 | MIN_IY_YEAR        | MIN_IY_YEAR        | RESERVE       | UNSIGNED INT  | 1   |
| 493 | MIN_IY_HOUR        | MIN_IY_HOUR        | RESERVE       | UNSIGNED INT  | 1   |
| 494 | MIN_IY_MINUTE      | MIN_IY_MINUTE      | RESERVE       | UNSIGNED INT  | 1   |
| 495 | MIN_IY_SECOND      | MIN_IY_SECOND      | RESERVE       | UNSIGNED INT  | 1   |
| 496 | MIN_IB             | MIN_IB             | RESERVE       | UNSIGNED LONG | 100 |
| 498 | MIN_IB_DATE        | MIN_IB_DATE        | RESERVE       | UNSIGNED INT  | 1   |
| 499 | MIN_IB_MONTH       | MIN_IB_MONTH       | RESERVE       | UNSIGNED INT  | 1   |
| 500 | MIN_IB_YEAR        | MIN_IB_YEAR        | RESERVE       | UNSIGNED INT  | 1   |
| 501 | MIN_IB_HOUR        | MIN_IB_HOUR        | RESERVE       | UNSIGNED INT  | 1   |
| 502 | MIN_IB_MINUTE      | MIN_IB_MINUTE      | RESERVE       | UNSIGNED INT  | 1   |
| 503 | MIN_IB_SECOND      | MIN_IB_SECOND      | RESERVE       | UNSIGNED INT  | 1   |
| 504 | MIN_AVG_I          | MIN_AVG_I          | RESERVE       | UNSIGNED LONG | 100 |
| 506 | MIN_AVG_I_DATE     | MIN_AVG_I_DATE     | RESERVE       | UNSIGNED INT  | 1   |
| 507 | MIN_AVG_I_MONTH    | MIN_AVG_I_MONTH    | RESERVE       | UNSIGNED INT  | 1   |
| 508 | MIN_AVG_I_YEAR     | MIN_AVG_I_YEAR     | RESERVE       | UNSIGNED INT  | 1   |
| 509 | MIN_AVG_I_HOUR     | MIN_AVG_I_HOUR     | RESERVE       | UNSIGNED INT  | 1   |

|     |                  |                  |                  |              |      |
|-----|------------------|------------------|------------------|--------------|------|
| 510 | MIN_AVG_I_MINUTE | MIN_AVG_I_MINUTE | RESERVE          | UNSIGNED INT | 1    |
| 511 | MIN_AVG_I_SECOND | MIN_AVG_I_SECOND | RESERVE          | UNSIGNED INT | 1    |
| 512 | MIN_PF_R         | RESERVE          | RESERVE          | UNSIGNED INT | 1000 |
| 513 | MIN_PF_R_DATE    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 514 | MIN_PF_R_MONTH   | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 515 | MIN_PF_R_YEAR    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 516 | MIN_PF_R_HOUR    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 517 | MIN_PF_R_MINUTE  | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 518 | MIN_PF_R_SECOND  | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 519 | MIN_PF_Y         | RESERVE          | RESERVE          | UNSIGNED INT | 1000 |
| 520 | MIN_PF_Y_DATE    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 521 | MIN_PF_Y_MONTH   | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 522 | MIN_PF_Y_YEAR    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 523 | MIN_PF_Y_HOUR    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 524 | MIN_PF_Y_MINUTE  | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 525 | MIN_PF_Y_SECOND  | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 526 | MIN_PF_B         | RESERVE          | RESERVE          | UNSIGNED INT | 1000 |
| 527 | MIN_PF_B_DATE    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 528 | MIN_PF_B_MONTH   | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 529 | MIN_PF_B_YEAR    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 530 | MIN_PF_B_HOUR    | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 531 | MIN_PF_B_MINUTE  | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 532 | MIN_PF_B_SECOND  | RESERVE          | RESERVE          | UNSIGNED INT | 1    |
| 533 | MIN_SYS_PF       | MIN_SYS_PF       | MIN_SYS_PF       | UNSIGNED INT | 1000 |
| 534 | MIN_SYS_PF_DATE  | MIN_SYS_PF_DATE  | MIN_SYS_PF_DATE  | UNSIGNED INT | 1    |
| 535 | MIN_SYS_PF_MONTH | MIN_SYS_PF_MONTH | MIN_SYS_PF_MONTH | UNSIGNED INT | 1    |
| 536 | MIN_SYS_PF_YEAR  | MIN_SYS_PF_YEAR  | MIN_SYS_PF_YEAR  | UNSIGNED INT | 1    |
| 537 | MIN_SYS_PF_HOUR  | MIN_SYS_PF_HOUR  | MIN_SYS_PF_HOUR  | UNSIGNED INT | 1    |



|     |                   |                   |                   |               |     |
|-----|-------------------|-------------------|-------------------|---------------|-----|
| 538 | MIN_SYS_PF_MINUTE | MIN_SYS_PF_MINUTE | MIN_SYS_PF_MINUTE | UNSIGNED INT  | 1   |
| 539 | MIN_SYS_PF_SECOND | MIN_SYS_PF_SECOND | MIN_SYS_PF_SECOND | UNSIGNED INT  | 1   |
| 540 | MIN_KW_R          | MIN_KW_R          | RESERVE           | UNSIGNED LONG | 100 |
| 542 | MIN_KW_R_DATE     | MIN_KW_R_DATE     | RESERVE           | UNSIGNED INT  | 1   |
| 543 | MIN_KW_R_MONTH    | MIN_KW_R_MONTH    | RESERVE           | UNSIGNED INT  | 1   |
| 544 | MIN_KW_R_YEAR     | MIN_KW_R_YEAR     | RESERVE           | UNSIGNED INT  | 1   |
| 545 | MIN_KW_R_HOUR     | MIN_KW_R_HOUR     | RESERVE           | UNSIGNED INT  | 1   |
| 546 | MIN_KW_R_MINUTE   | MIN_KW_R_MINUTE   | RESERVE           | UNSIGNED INT  | 1   |
| 547 | MIN_KW_R_SECOND   | MIN_KW_R_SECOND   | RESERVE           | UNSIGNED INT  | 1   |
| 548 | MIN_KW_Y          | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 550 | MIN_KW_Y_DATE     | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 551 | MIN_KW_Y_MONTH    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 552 | MIN_KW_Y_YEAR     | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 553 | MIN_KW_Y_HOUR     | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 554 | MIN_KW_Y_MINUTE   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 555 | MIN_KW_Y_SECOND   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 556 | MIN_KW_B          | MIN_KW_B          | RESERVE           | UNSIGNED LONG | 100 |
| 558 | MIN_KW_B_DATE     | MIN_KW_B_DATE     | RESERVE           | UNSIGNED INT  | 1   |
| 559 | MIN_KW_B_MONTH    | MIN_KW_B_MONTH    | RESERVE           | UNSIGNED INT  | 1   |
| 560 | MIN_KW_B_YEAR     | MIN_KW_B_YEAR     | RESERVE           | UNSIGNED INT  | 1   |
| 561 | MIN_KW_B_HOUR     | MIN_KW_B_HOUR     | RESERVE           | UNSIGNED INT  | 1   |
| 562 | MIN_KW_B_MINUTE   | MIN_KW_B_MINUTE   | RESERVE           | UNSIGNED INT  | 1   |
| 563 | MIN_KW_B_SECOND   | MIN_KW_B_SECOND   | RESERVE           | UNSIGNED INT  | 1   |
| 564 | MIN_SYS_KW        | MIN_SYS_KW        | MIN_SYS_KW        | UNSIGNED LONG | 100 |
| 566 | MIN_SYS_KW_DATE   | MIN_SYS_KW_DATE   | MIN_SYS_KW_DATE   | UNSIGNED INT  | 1   |
| 567 | MIN_SYS_KW_MONTH  | MIN_SYS_KW_MONTH  | MIN_SYS_KW_MONTH  | UNSIGNED INT  | 1   |
| 568 | MIN_SYS_KW_YEAR   | MIN_SYS_KW_YEAR   | MIN_SYS_KW_YEAR   | UNSIGNED INT  | 1   |
| 569 | MIN_SYS_KW_HOUR   | MIN_SYS_KW_HOUR   | MIN_SYS_KW_HOUR   | UNSIGNED INT  | 1   |

|     |                   |                   |                   |               |     |
|-----|-------------------|-------------------|-------------------|---------------|-----|
| 570 | MIN_SYS_KW_MINUTE | MIN_SYS_KW_MINUTE | MIN_SYS_KW_MINUTE | UNSIGNED INT  | 1   |
| 571 | MIN_SYS_KW_SECOND | MIN_SYS_KW_SECOND | MIN_SYS_KW_SECOND | UNSIGNED INT  | 1   |
| 572 | MIN_KVA_R         | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 574 | MIN_KVA_R_DATE    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 575 | MIN_KVA_R_MONTH   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 576 | MIN_KVA_R_YEAR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 577 | MIN_KVA_R_HOUR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 578 | MIN_KVA_R_MINUTE  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 579 | MIN_KVA_R_SECOND  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 580 | MIN_KVA_Y         | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 582 | MIN_KVA_Y_DATE    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 583 | MIN_KVA_Y_MONTH   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 584 | MIN_KVA_Y_YEAR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 585 | MIN_KVA_Y_HOUR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 586 | MIN_KVA_Y_MINUTE  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 587 | MIN_KVA_Y_SECOND  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 588 | MIN_KVA_B         | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 590 | MIN_KVA_B_DATE    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 591 | MIN_KVA_B_MONTH   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 592 | MIN_KVA_B_YEAR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 593 | MIN_KVA_B_HOUR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 594 | MIN_KVA_B_MINUTE  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 595 | MIN_KVA_B_SECOND  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 596 | MIN_SYS_KVA       | MIN_SYS_KVA       | MIN_SYS_KVA       | UNSIGNED LONG | 100 |
| 598 | MIN_SYS_KVA_DATE  | MIN_SYS_KVA_DATE  | MIN_SYS_KVA_DATE  | UNSIGNED INT  | 1   |
| 599 | MIN_SYS_KVA_MONTH | MIN_SYS_KVA_MONTH | MIN_SYS_KVA_MONTH | UNSIGNED INT  | 1   |
| 600 | MIN_SYS_KVA_YEAR  | MIN_SYS_KVA_YEAR  | MIN_SYS_KVA_YEAR  | UNSIGNED INT  | 1   |
| 601 | MIN_SYS_KVA_HOUR  | MIN_SYS_KVA_HOUR  | MIN_SYS_KVA_HOUR  | UNSIGNED INT  | 1   |

|     |                    |                    |                    |               |     |
|-----|--------------------|--------------------|--------------------|---------------|-----|
| 602 | MIN_SYS_KVA_MINUTE | MIN_SYS_KVA_MINUTE | MIN_SYS_KVA_MINUTE | UNSIGNED INT  | 1   |
| 603 | MIN_SYS_KVA_SECOND | MIN_SYS_KVA_SECOND | MIN_SYS_KVA_SECOND | UNSIGNED INT  | 1   |
| 604 | MIN_KVAR_R         | MIN_KVAR_R         | RESERVE            | UNSIGNED LONG | 100 |
| 606 | MIN_KVAR_R_DATE    | MIN_KVAR_R_DATE    | RESERVE            | UNSIGNED INT  | 1   |
| 607 | MIN_KVAR_R_MONTH   | MIN_KVAR_R_MONTH   | RESERVE            | UNSIGNED INT  | 1   |
| 608 | MIN_KVAR_R_YEAR    | MIN_KVAR_R_YEAR    | RESERVE            | UNSIGNED INT  | 1   |
| 609 | MIN_KVAR_R_HOUR    | MIN_KVAR_R_HOUR    | RESERVE            | UNSIGNED INT  | 1   |
| 610 | MIN_KVAR_R_MINUTE  | MIN_KVAR_R_MINUTE  | RESERVE            | UNSIGNED INT  | 1   |
| 611 | MIN_KVAR_R_SECOND  | MIN_KVAR_R_SECOND  | RESERVE            | UNSIGNED INT  | 1   |
| 612 | MIN_KVAR_Y         | RESERVE            | RESERVE            | UNSIGNED LONG | 100 |
| 614 | MIN_KVAR_Y_DATE    | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 615 | MIN_KVAR_Y_MONTH   | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 616 | MIN_KVAR_Y_YEAR    | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 617 | MIN_KVAR_Y_HOUR    | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 618 | MIN_KVAR_Y_MINUTE  | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 619 | MIN_KVAR_Y_SECOND  | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 620 | MIN_KVAR_B         | MIN_KVAR_B         | RESERVE            | UNSIGNED LONG | 100 |
| 622 | MIN_KVAR_B_DATE    | MIN_KVAR_B_DATE    | RESERVE            | UNSIGNED INT  | 1   |
| 623 | MIN_KVAR_B_MONTH   | MIN_KVAR_B_MONTH   | RESERVE            | UNSIGNED INT  | 1   |
| 624 | MIN_KVAR_B_YEAR    | MIN_KVAR_B_YEAR    | RESERVE            | UNSIGNED INT  | 1   |
| 625 | MIN_KVAR_B_HOUR    | MIN_KVAR_B_HOUR    | RESERVE            | UNSIGNED INT  | 1   |
| 626 | MIN_KVAR_B_MINUTE  | MIN_KVAR_B_MINUTE  | RESERVE            | UNSIGNED INT  | 1   |
| 627 | MIN_KVAR_B_SECOND  | MIN_KVAR_B_SECOND  | RESERVE            | UNSIGNED INT  | 1   |
| 628 | MIN_SYS_KVAR       | MIN_SYS_KVAR       | MIN_SYS_KVAR       | UNSIGNED LONG | 100 |
| 630 | MIN_SYS_KVAR_DATE  | MIN_SYS_KVAR_DATE  | MIN_SYS_KVAR_DATE  | UNSIGNED INT  | 1   |
| 631 | MIN_SYS_KVAR_MONTH | MIN_SYS_KVAR_MONTH | MIN_SYS_KVAR_MONTH | UNSIGNED INT  | 1   |
| 632 | MIN_SYS_KVAR_YEAR  | MIN_SYS_KVAR_YEAR  | MIN_SYS_KVAR_YEAR  | UNSIGNED INT  | 1   |
| 633 | MIN_SYS_KVAR_HOUR  | MIN_SYS_KVAR_HOUR  | MIN_SYS_KVAR_HOUR  | UNSIGNED INT  | 1   |

|     |                     |                     |                     |               |     |
|-----|---------------------|---------------------|---------------------|---------------|-----|
| 634 | MIN_SYS_KVAR_MINUTE | MIN_SYS_KVAR_MINUTE | MIN_SYS_KVAR_MINUTE | UNSIGNED INT  | 1   |
| 635 | MIN_SYS_KVAR_SECOND | MIN_SYS_KVAR_SECOND | MIN_SYS_KVAR_SECOND | UNSIGNED INT  | 1   |
| 636 | MIN_FREQUENCY       | MIN_FREQUENCY       | MIN_FREQUENCY       | UNSIGNED INT  | 100 |
| 637 | MIN_FREQ_DATE       | MIN_FREQ_DATE       | MIN_FREQ_DATE       | UNSIGNED INT  | 1   |
| 638 | MIN_FREQ_MONTH      | MIN_FREQ_MONTH      | MIN_FREQ_MONTH      | UNSIGNED INT  | 1   |
| 639 | MIN_FREQ_YEAR       | MIN_FREQ_YEAR       | MIN_FREQ_YEAR       | UNSIGNED INT  | 1   |
| 640 | MIN_FREQ_HOUR       | MIN_FREQ_HOUR       | MIN_FREQ_HOUR       | UNSIGNED INT  | 1   |
| 641 | MIN_FREQ_MINUTE     | MIN_FREQ_MINUTE     | MIN_FREQ_MINUTE     | UNSIGNED INT  | 1   |
| 642 | MIN_FREQ_SECOND     | MIN_FREQ_SECOND     | MIN_FREQ_SECOND     | UNSIGNED INT  | 1   |
| 643 | MAX_VRN             | RESERVE             | MAX_VRN             | UNSIGNED LONG | 100 |
| 645 | MAX_VRN_DATE        | RESERVE             | MAX_VRN_DATE        | UNSIGNED INT  | 1   |
| 646 | MAX_VRN_MONTH       | RESERVE             | MAX_VRN_MONTH       | UNSIGNED INT  | 1   |
| 647 | MAX_VRN_YEAR        | RESERVE             | MAX_VRN_YEAR        | UNSIGNED INT  | 1   |
| 648 | MAX_VRN_HOUR        | RESERVE             | MAX_VRN_HOUR        | UNSIGNED INT  | 1   |
| 649 | MAX_VRN_MINUTE      | RESERVE             | MAX_VRN_MINUTE      | UNSIGNED INT  | 1   |
| 650 | MAX_VRN_SECOND      | RESERVE             | MAX_VRN_SECOND      | UNSIGNED INT  | 1   |
| 651 | MAX_VYN             | RESERVE             | RESERVE             | UNSIGNED LONG | 100 |
| 653 | MAX_VYN_DATE        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 654 | MAX_VYN_MONTH       | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 655 | MAX_VYN_YEAR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 656 | MAX_VYN_HOUR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 657 | MAX_VYN_MINUTE      | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 658 | MAX_VYN_SECOND      | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 659 | MAX_VBN             | RESERVE             | RESERVE             | UNSIGNED LONG | 100 |
| 661 | MAX_VBN_DATE        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 662 | MAX_VBN_MONTH       | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 663 | MAX_VBN_YEAR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |
| 664 | MAX_VBN_HOUR        | RESERVE             | RESERVE             | UNSIGNED INT  | 1   |

|     |                    |                |         |               |     |
|-----|--------------------|----------------|---------|---------------|-----|
| 665 | MAX_VBN_MINUTE     | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 666 | MAX_VBN_SECOND     | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 667 | MAX_AVG_VPN        | RESERVE        | RESERVE | UNSIGNED LONG | 100 |
| 669 | MAX_AVG_VPN_DATE   | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 670 | MAX_AVG_VPN_MONTH  | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 671 | MAX_AVG_VPN_YEAR   | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 672 | MAX_AVG_VPN_HOUR   | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 673 | MAX_AVG_VPN_MINUTE | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 674 | MAX_AVG_VPN_SECOND | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 675 | MAX_VRY            | MAX_VRY        | RESERVE | UNSIGNED LONG | 100 |
| 677 | MAX_VRY_DATE       | MAX_VRY_DATE   | RESERVE | UNSIGNED INT  | 1   |
| 678 | MAX_VRY_MONTH      | MAX_VRY_MONTH  | RESERVE | UNSIGNED INT  | 1   |
| 679 | MAX_VRY_YEAR       | MAX_VRY_YEAR   | RESERVE | UNSIGNED INT  | 1   |
| 680 | MAX_VRY_HOUR       | MAX_VRY_HOUR   | RESERVE | UNSIGNED INT  | 1   |
| 681 | MAX_VRY_MINUTE     | MAX_VRY_MINUTE | RESERVE | UNSIGNED INT  | 1   |
| 682 | MAX_VRY_SECOND     | MAX_VRY_SECOND | RESERVE | UNSIGNED INT  | 1   |
| 683 | MAX_VYB            | MAX_VYB        | RESERVE | UNSIGNED LONG | 100 |
| 685 | MAX_VYB_DATE       | MAX_VYB_DATE   | RESERVE | UNSIGNED INT  | 1   |
| 686 | MAX_VYB_MONTH      | MAX_VYB_MONTH  | RESERVE | UNSIGNED INT  | 1   |
| 687 | MAX_VYB_YEAR       | MAX_VYB_YEAR   | RESERVE | UNSIGNED INT  | 1   |
| 688 | MAX_VYB_HOUR       | MAX_VYB_HOUR   | RESERVE | UNSIGNED INT  | 1   |
| 689 | MAX_VYB_MINUTE     | MAX_VYB_MINUTE | RESERVE | UNSIGNED INT  | 1   |
| 690 | MAX_VYB_SECOND     | MAX_VYB_SECOND | RESERVE | UNSIGNED INT  | 1   |
| 691 | MAX_VBR            | RESERVE        | RESERVE | UNSIGNED LONG | 100 |
| 693 | MAX_VBR_DATE       | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 694 | MAX_VBR_MONTH      | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 695 | MAX_VBR_YEAR       | RESERVE        | RESERVE | UNSIGNED INT  | 1   |
| 696 | MAX_VBR_HOUR       | RESERVE        | RESERVE | UNSIGNED INT  | 1   |

|     |                    |                    |               |               |     |
|-----|--------------------|--------------------|---------------|---------------|-----|
| 697 | MAX_VBR_MINUTE     | RESERVE            | RESERVE       | UNSIGNED INT  | 1   |
| 698 | MAX_VBR_SECOND     | RESERVE            | RESERVE       | UNSIGNED INT  | 1   |
| 699 | MAX_AVG_VPP        | MAX_AVG_VPP        | RESERVE       | UNSIGNED LONG | 100 |
| 701 | MAX_AVG_VPP_DATE   | MAX_AVG_VPP_DATE   | RESERVE       | UNSIGNED INT  | 1   |
| 702 | MAX_AVG_VPP_MONTH  | MAX_AVG_VPP_MONTH  | RESERVE       | UNSIGNED INT  | 1   |
| 703 | MAX_AVG_VPP_YEAR   | MAX_AVG_VPP_YEAR   | RESERVE       | UNSIGNED INT  | 1   |
| 704 | MAX_AVG_VPP_HOUR   | MAX_AVG_VPP_HOUR   | RESERVE       | UNSIGNED INT  | 1   |
| 705 | MAX_AVG_VPP_MINUTE | MAX_AVG_VPP_MINUTE | RESERVE       | UNSIGNED INT  | 1   |
| 706 | MAX_AVG_VPP_SECOND | MAX_AVG_VPP_SECOND | RESERVE       | UNSIGNED INT  | 1   |
| 707 | MAX_IR             | MAX_IR             | MAX_IR        | UNSIGNED LONG | 100 |
| 709 | MAX_IR_DATE        | MAX_IR_DATE        | MAX_IR_DATE   | UNSIGNED INT  | 1   |
| 710 | MAX_IR_MONTH       | MAX_IR_MONTH       | MAX_IR_MONTH  | UNSIGNED INT  | 1   |
| 711 | MAX_IR_YEAR        | MAX_IR_YEAR        | MAX_IR_YEAR   | UNSIGNED INT  | 1   |
| 712 | MAX_IR_HOUR        | MAX_IR_HOUR        | MAX_IR_HOUR   | UNSIGNED INT  | 1   |
| 713 | MAX_IR_MINUTE      | MAX_IR_MINUTE      | MAX_IR_MINUTE | UNSIGNED INT  | 1   |
| 714 | MAX_IR_SECOND      | MAX_IR_SECOND      | MAX_IR_SECOND | UNSIGNED INT  | 1   |
| 715 | MAX_IY             | MAX_IY             | RESERVE       | UNSIGNED LONG | 100 |
| 717 | MAX_IY_DATE        | MAX_IY_DATE        | RESERVE       | UNSIGNED INT  | 1   |
| 718 | MAX_IY_MONTH       | MAX_IY_MONTH       | RESERVE       | UNSIGNED INT  | 1   |
| 719 | MAX_IY_YEAR        | MAX_IY_YEAR        | RESERVE       | UNSIGNED INT  | 1   |
| 720 | MAX_IY_HOUR        | MAX_IY_HOUR        | RESERVE       | UNSIGNED INT  | 1   |
| 721 | MAX_IY_MINUTE      | MAX_IY_MINUTE      | RESERVE       | UNSIGNED INT  | 1   |
| 722 | MAX_IY_SECOND      | MAX_IY_SECOND      | RESERVE       | UNSIGNED INT  | 1   |
| 723 | MAX_IB             | MAX_IB             | RESERVE       | UNSIGNED LONG | 100 |
| 725 | MAX_IB_DATE        | MAX_IB_DATE        | RESERVE       | UNSIGNED INT  | 1   |
| 726 | MAX_IB_MONTH       | MAX_IB_MONTH       | RESERVE       | UNSIGNED INT  | 1   |
| 727 | MAX_IB_YEAR        | MAX_IB_YEAR        | RESERVE       | UNSIGNED INT  | 1   |
| 728 | MAX_IB_HOUR        | MAX_IB_HOUR        | RESERVE       | UNSIGNED INT  | 1   |

|     |                  |                  |         |               |      |
|-----|------------------|------------------|---------|---------------|------|
| 729 | MAX_IB_MINUTE    | MAX_IB_MINUTE    | RESERVE | UNSIGNED INT  | 1    |
| 730 | MAX_IB_SECOND    | MAX_IB_SECOND    | RESERVE | UNSIGNED INT  | 1    |
| 731 | MAX_AVG_I        | MAX_AVG_I        | RESERVE | UNSIGNED LONG | 100  |
| 733 | MAX_AVG_I_DATE   | MAX_AVG_I_DATE   | RESERVE | UNSIGNED INT  | 1    |
| 734 | MAX_AVG_I_MONTH  | MAX_AVG_I_MONTH  | RESERVE | UNSIGNED INT  | 1    |
| 735 | MAX_AVG_I_YEAR   | MAX_AVG_I_YEAR   | RESERVE | UNSIGNED INT  | 1    |
| 736 | MAX_AVG_I_HOUR   | MAX_AVG_I_HOUR   | RESERVE | UNSIGNED INT  | 1    |
| 737 | MAX_AVG_I_MINUTE | MAX_AVG_I_MINUTE | RESERVE | UNSIGNED INT  | 1    |
| 738 | MAX_AVG_I_SECOND | MAX_AVG_I_SECOND | RESERVE | UNSIGNED INT  | 1    |
| 739 | MAX_PF_R         | RESERVE          | RESERVE | UNSIGNED INT  | 1000 |
| 740 | MAX_PF_R_DATE    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 741 | MAX_PF_R_MONTH   | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 742 | MAX_PF_R_YEAR    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 743 | MAX_PF_R_HOUR    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 744 | MAX_PF_R_MINUTE  | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 745 | MAX_PF_R_SECOND  | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 746 | MAX_PF_Y         | RESERVE          | RESERVE | UNSIGNED INT  | 1000 |
| 747 | MAX_PF_Y_DATE    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 748 | MAX_PF_Y_MONTH   | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 749 | MAX_PF_Y_YEAR    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 750 | MAX_PF_Y_HOUR    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 751 | MAX_PF_Y_MINUTE  | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 752 | MAX_PF_Y_SECOND  | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 753 | MAX_PF_B         | RESERVE          | RESERVE | UNSIGNED INT  | 1000 |
| 754 | MAX_PF_B_DATE    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 755 | MAX_PF_B_MONTH   | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 756 | MAX_PF_B_YEAR    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |
| 757 | MAX_PF_B_HOUR    | RESERVE          | RESERVE | UNSIGNED INT  | 1    |

|     |                   |                   |                   |               |      |
|-----|-------------------|-------------------|-------------------|---------------|------|
| 758 | MAX_PF_B_MINUTE   | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 759 | MAX_PF_B_SECOND   | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 760 | MAX_SYS_PF        | MAX_SYS_PF        | MAX_SYS_PF        | UNSIGNED INT  | 1000 |
| 761 | MAX_SYS_PF_DATE   | MAX_SYS_PF_DATE   | MAX_SYS_PF_DATE   | UNSIGNED INT  | 1    |
| 762 | MAX_SYS_PF_MONTH  | MAX_SYS_PF_MONTH  | MAX_SYS_PF_MONTH  | UNSIGNED INT  | 1    |
| 763 | MAX_SYS_PF_YEAR   | MAX_SYS_PF_YEAR   | MAX_SYS_PF_YEAR   | UNSIGNED INT  | 1    |
| 764 | MAX_SYS_PF_HOUR   | MAX_SYS_PF_HOUR   | MAX_SYS_PF_HOUR   | UNSIGNED INT  | 1    |
| 765 | MAX_SYS_PF_MINUTE | MAX_SYS_PF_MINUTE | MAX_SYS_PF_MINUTE | UNSIGNED INT  | 1    |
| 766 | MAX_SYS_PF_SECOND | MAX_SYS_PF_SECOND | MAX_SYS_PF_SECOND | UNSIGNED INT  | 1    |
| 767 | MAX_KW_R          | MAX_KW_R          | RESERVE           | UNSIGNED LONG | 100  |
| 769 | MAX_KW_R_DATE     | MAX_KW_R_DATE     | RESERVE           | UNSIGNED INT  | 1    |
| 770 | MAX_KW_R_MONTH    | MAX_KW_R_MONTH    | RESERVE           | UNSIGNED INT  | 1    |
| 771 | MAX_KW_R_YEAR     | MAX_KW_R_YEAR     | RESERVE           | UNSIGNED INT  | 1    |
| 772 | MAX_KW_R_HOUR     | MAX_KW_R_HOUR     | RESERVE           | UNSIGNED INT  | 1    |
| 773 | MAX_KW_R_MINUTE   | MAX_KW_R_MINUTE   | RESERVE           | UNSIGNED INT  | 1    |
| 774 | MAX_KW_R_SECOND   | MAX_KW_R_SECOND   | RESERVE           | UNSIGNED INT  | 1    |
| 775 | MAX_KW_Y          | RESERVE           | RESERVE           | UNSIGNED LONG | 100  |
| 777 | MAX_KW_Y_DATE     | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 778 | MAX_KW_Y_MONTH    | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 779 | MAX_KW_Y_YEAR     | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 780 | MAX_KW_Y_HOUR     | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 781 | MAX_KW_Y_MINUTE   | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 782 | MAX_KW_Y_SECOND   | RESERVE           | RESERVE           | UNSIGNED INT  | 1    |
| 783 | MAX_KW_B          | MAX_KW_B          | RESERVE           | UNSIGNED LONG | 100  |
| 785 | MAX_KW_B_DATE     | MAX_KW_B_DATE     | RESERVE           | UNSIGNED INT  | 1    |
| 786 | MAX_KW_B_MONTH    | MAX_KW_B_MONTH    | RESERVE           | UNSIGNED INT  | 1    |
| 787 | MAX_KW_B_YEAR     | MAX_KW_B_YEAR     | RESERVE           | UNSIGNED INT  | 1    |
| 788 | MAX_KW_B_HOUR     | MAX_KW_B_HOUR     | RESERVE           | UNSIGNED INT  | 1    |



|     |                   |                   |                   |               |     |
|-----|-------------------|-------------------|-------------------|---------------|-----|
| 789 | MAX_KW_B_MINUTE   | MAX_KW_B_MINUTE   | RESERVE           | UNSIGNED INT  | 1   |
| 790 | MAX_KW_B_SECOND   | MAX_KW_B_SECOND   | RESERVE           | UNSIGNED INT  | 1   |
| 791 | MAX_SYS_KW        | MAX_SYS_KW        | MAX_SYS_KW        | UNSIGNED LONG | 100 |
| 793 | MAX_SYS_KW_DATE   | MAX_SYS_KW_DATE   | MAX_SYS_KW_DATE   | UNSIGNED INT  | 1   |
| 794 | MAX_SYS_KW_MONTH  | MAX_SYS_KW_MONTH  | MAX_SYS_KW_MONTH  | UNSIGNED INT  | 1   |
| 795 | MAX_SYS_KW_YEAR   | MAX_SYS_KW_YEAR   | MAX_SYS_KW_YEAR   | UNSIGNED INT  | 1   |
| 796 | MAX_SYS_KW_HOUR   | MAX_SYS_KW_HOUR   | MAX_SYS_KW_HOUR   | UNSIGNED INT  | 1   |
| 797 | MAX_SYS_KW_MINUTE | MAX_SYS_KW_MINUTE | MAX_SYS_KW_MINUTE | UNSIGNED INT  | 1   |
| 798 | MAX_SYS_KW_SECOND | MAX_SYS_KW_SECOND | MAX_SYS_KW_SECOND | UNSIGNED INT  | 1   |
| 799 | MAX_KVA_R         | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 801 | MAX_KVA_R_DATE    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 802 | MAX_KVA_R_MONTH   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 803 | MAX_KVA_R_YEAR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 804 | MAX_KVA_R_HOUR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 805 | MAX_KVA_R_MINUTE  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 806 | MAX_KVA_R_SECOND  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 807 | MAX_KVA_Y         | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 809 | MAX_KVA_Y_DATE    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 810 | MAX_KVA_Y_MONTH   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 811 | MAX_KVA_Y_YEAR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 812 | MAX_KVA_Y_HOUR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 813 | MAX_KVA_Y_MINUTE  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 814 | MAX_KVA_Y_SECOND  | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 815 | MAX_KVA_B         | RESERVE           | RESERVE           | UNSIGNED LONG | 100 |
| 817 | MAX_KVA_B_DATE    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 818 | MAX_KVA_B_MONTH   | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 819 | MAX_KVA_B_YEAR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |
| 820 | MAX_KVA_B_HOUR    | RESERVE           | RESERVE           | UNSIGNED INT  | 1   |

|     |                    |                    |                    |               |     |
|-----|--------------------|--------------------|--------------------|---------------|-----|
| 821 | MAX_KVA_B_MINUTE   | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 822 | MAX_KVA_B_SECOND   | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 823 | MAX_SYS_KVA        | MAX_SYS_KVA        | MAX_SYS_KVA        | UNSIGNED LONG | 100 |
| 825 | MAX_SYS_KVA_DATE   | MAX_SYS_KVA_DATE   | MAX_SYS_KVA_DATE   | UNSIGNED INT  | 1   |
| 826 | MAX_SYS_KVA_MONTH  | MAX_SYS_KVA_MONTH  | MAX_SYS_KVA_MONTH  | UNSIGNED INT  | 1   |
| 827 | MAX_SYS_KVA_YEAR   | MAX_SYS_KVA_YEAR   | MAX_SYS_KVA_YEAR   | UNSIGNED INT  | 1   |
| 828 | MAX_SYS_KVA_HOUR   | MAX_SYS_KVA_HOUR   | MAX_SYS_KVA_HOUR   | UNSIGNED INT  | 1   |
| 829 | MAX_SYS_KVA_MINUTE | MAX_SYS_KVA_MINUTE | MAX_SYS_KVA_MINUTE | UNSIGNED INT  | 1   |
| 830 | MAX_SYS_KVA_SECOND | MAX_SYS_KVA_SECOND | MAX_SYS_KVA_SECOND | UNSIGNED INT  | 1   |
| 831 | MAX_KVAR_R         | MAX_KVAR_R         | RESERVE            | UNSIGNED LONG | 100 |
| 833 | MAX_KVAR_R_DATE    | MAX_KVAR_R_DATE    | RESERVE            | UNSIGNED INT  | 1   |
| 834 | MAX_KVAR_R_MONTH   | MAX_KVAR_R_MONTH   | RESERVE            | UNSIGNED INT  | 1   |
| 835 | MAX_KVAR_R_YEAR    | MAX_KVAR_R_YEAR    | RESERVE            | UNSIGNED INT  | 1   |
| 836 | MAX_KVAR_R_HOUR    | MAX_KVAR_R_HOUR    | RESERVE            | UNSIGNED INT  | 1   |
| 837 | MAX_KVAR_R_MINUTE  | MAX_KVAR_R_MINUTE  | RESERVE            | UNSIGNED INT  | 1   |
| 838 | MAX_KVAR_R_SECOND  | MAX_KVAR_R_SECOND  | RESERVE            | UNSIGNED INT  | 1   |
| 839 | MAX_KVAR_Y         | RESERVE            | RESERVE            | UNSIGNED LONG | 100 |
| 841 | MAX_KVAR_Y_DATE    | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 842 | MAX_KVAR_Y_MONTH   | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 843 | MAX_KVAR_Y_YEAR    | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 844 | MAX_KVAR_Y_HOUR    | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 845 | MAX_KVAR_Y_MINUTE  | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 846 | MAX_KVAR_Y_SECOND  | RESERVE            | RESERVE            | UNSIGNED INT  | 1   |
| 847 | MAX_KVAR_B         | MAX_KVAR_B         | RESERVE            | UNSIGNED LONG | 100 |
| 849 | MAX_KVAR_B_DATE    | MAX_KVAR_B_DATE    | RESERVE            | UNSIGNED INT  | 1   |
| 850 | MAX_KVAR_B_MONTH   | MAX_KVAR_B_MONTH   | RESERVE            | UNSIGNED INT  | 1   |
| 851 | MAX_KVAR_B_YEAR    | MAX_KVAR_B_YEAR    | RESERVE            | UNSIGNED INT  | 1   |
| 852 | MAX_KVAR_B_HOUR    | MAX_KVAR_B_HOUR    | RESERVE            | UNSIGNED INT  | 1   |

|     |                                 |                                  |                     |               |     |
|-----|---------------------------------|----------------------------------|---------------------|---------------|-----|
| 853 | MAX_KVAR_B_MINUTE               | MAX_KVAR_B_MINUTE                | RESERVE             | UNSIGNED INT  | 1   |
| 854 | MAX_KVAR_B_SECOND               | MAX_KVAR_B_SECOND                | RESERVE             | UNSIGNED INT  | 1   |
| 855 | MAX_SYS_KVAR                    | MAX_SYS_KVAR                     | MAX_SYS_KVAR        | UNSIGNED LONG | 100 |
| 857 | MAX_SYS_KVAR_DATE               | MAX_SYS_KVAR_DATE                | MAX_SYS_KVAR_DATE   | UNSIGNED INT  | 1   |
| 858 | MAX_SYS_KVAR_MONTH              | MAX_SYS_KVAR_MONTH               | MAX_SYS_KVAR_MONTH  | UNSIGNED INT  | 1   |
| 859 | MAX_SYS_KVAR_YEAR               | MAX_SYS_KVAR_YEAR                | MAX_SYS_KVAR_YEAR   | UNSIGNED INT  | 1   |
| 860 | MAX_SYS_KVAR_HOUR               | MAX_SYS_KVAR_HOUR                | MAX_SYS_KVAR_HOUR   | UNSIGNED INT  | 1   |
| 861 | MAX_SYS_KVAR_MINUTE             | MAX_SYS_KVAR_MINUTE              | MAX_SYS_KVAR_MINUTE | UNSIGNED INT  | 1   |
| 862 | MAX_SYS_KVAR_SECOND             | MAX_SYS_KVAR_SECOND              | MAX_SYS_KVAR_SECOND | UNSIGNED INT  | 1   |
| 863 | MAX_FREQUENCY                   | MAX_FREQUENCY                    | MAX_FREQUENCY       | UNSIGNED INT  | 100 |
| 864 | MAX_FREQ_DATE                   | MAX_FREQ_DATE                    | MAX_FREQ_DATE       | UNSIGNED INT  | 1   |
| 865 | MAX_FREQ_MONTH                  | MAX_FREQ_MONTH                   | MAX_FREQ_MONTH      | UNSIGNED INT  | 1   |
| 866 | MAX_FREQ_YEAR                   | MAX_FREQ_YEAR                    | MAX_FREQ_YEAR       | UNSIGNED INT  | 1   |
| 867 | MAX_FREQ_HOUR                   | MAX_FREQ_HOUR                    | MAX_FREQ_HOUR       | UNSIGNED INT  | 1   |
| 868 | MAX_FREQ_MINUTE                 | MAX_FREQ_MINUTE                  | MAX_FREQ_MINUTE     | UNSIGNED INT  | 1   |
| 869 | MAX_FREQ_SECOND                 | MAX_FREQ_SECOND                  | MAX_FREQ_SECOND     | UNSIGNED INT  | 1   |
| 870 | VOLTAGE R-Y ANGLE               | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 871 | VOLTAGE Y-B ANGLE               | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 872 | VOLTAGE R-B ANGLE               | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 873 | CURRENT R-Y ANGLE               | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 874 | CURRENT Y-B ANGLE               | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 875 | CURRENT R-B ANGLE               | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 876 | VR_IR_ANGLE                     | RESERVE                          | VR_IR_ANGLE         | UNSIGNED INT  | 100 |
| 877 | VY_IY_ANGLE                     | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 878 | VB_IB_ANGLE                     | RESERVE                          | RESERVE             | UNSIGNED INT  | 100 |
| 879 | VOLTAGE UNBALANCE(%)<br>R PHASE | VOLTAGE UNBALANCE(%)<br>RY PHASE | RESERVE             | UNSIGNED INT  | 100 |
| 880 | VOLTAGE UNBALANCE(%)<br>Y PHASE | VOLTAGE UNBALANCE(%)<br>YB PHASE | RESERVE             | UNSIGNED INT  | 100 |

|     |                                 |                                 |                  |                  |     |
|-----|---------------------------------|---------------------------------|------------------|------------------|-----|
| 881 | VOLTAGE UNBALANCE(%)<br>B PHASE | RESERVE                         | RESERVE          | UNSIGNED<br>INT  | 100 |
| 882 | CURRENT UNBALANCE(%)<br>R PHASE | CURRENT UNBALANCE(%)<br>R PHASE | RESERVE          | UNSIGNED<br>INT  | 100 |
| 883 | CURRENT UNBALANCE(%)<br>Y PHASE | CURRENT UNBALANCE(%)<br>Y PHASE | RESERVE          | UNSIGNED<br>INT  | 100 |
| 884 | CURRENT UNBALANCE(%)<br>B PHASE | CURRENT UNBALANCE(%)<br>B PHASE | RESERVE          | UNSIGNED<br>INT  | 100 |
| 885 | ON - MINUTE                     | ON - MINUTE                     | ON - MINUTE      | UNSIGNED<br>INT  | 1   |
| 886 | ON - HOUR                       | ON - HOUR                       | ON - HOUR        | UNSIGNED<br>LONG | 1   |
| 888 | RUN - MINUTE                    | RUN - MINUTE                    | RUN - MINUTE     | UNSIGNED<br>INT  | 1   |
| 889 | RUN - HOUR                      | RUN - HOUR                      | RUN - HOUR       | UNSIGNED<br>LONG | 1   |
| 891 | VR_1st_Harmonic                 | VR_1st_Harmonic                 | VR_1st_Harmonic  | UNSIGNED<br>INT  | 100 |
| 892 | VR_2nd_Harmonic                 | VR_2nd_Harmonic                 | VR_2nd_Harmonic  | UNSIGNED<br>INT  | 100 |
| 893 | VR_3rd_Harmonic                 | VR_3rd_Harmonic                 | VR_3rd_Harmonic  | UNSIGNED<br>INT  | 100 |
| 894 | VR_4th_Harmonic                 | VR_4th_Harmonic                 | VR_4th_Harmonic  | UNSIGNED<br>INT  | 100 |
| 895 | VR_5th_Harmonic                 | VR_5th_Harmonic                 | VR_5th_Harmonic  | UNSIGNED<br>INT  | 100 |
| 896 | VR_6th_Harmonic                 | VR_6th_Harmonic                 | VR_6th_Harmonic  | UNSIGNED<br>INT  | 100 |
| 897 | VR_7th_Harmonic                 | VR_7th_Harmonic                 | VR_7th_Harmonic  | UNSIGNED<br>INT  | 100 |
| 898 | VR_8th_Harmonic                 | VR_8th_Harmonic                 | VR_8th_Harmonic  | UNSIGNED<br>INT  | 100 |
| 899 | VR_9th_Harmonic                 | VR_9th_Harmonic                 | VR_9th_Harmonic  | UNSIGNED<br>INT  | 100 |
| 900 | VR_10th_Harmonic                | VR_10th_Harmonic                | VR_10th_Harmonic | UNSIGNED<br>INT  | 100 |
| 901 | VR_11th_Harmonic                | VR_11th_Harmonic                | VR_11th_Harmonic | UNSIGNED<br>INT  | 100 |
| 902 | VR_12th_Harmonic                | VR_12th_Harmonic                | VR_12th_Harmonic | UNSIGNED<br>INT  | 100 |
| 903 | VR_13th_Harmonic                | VR_13th_Harmonic                | VR_13th_Harmonic | UNSIGNED<br>INT  | 100 |
| 904 | VR_14th_Harmonic                | VR_14th_Harmonic                | VR_14th_Harmonic | UNSIGNED<br>INT  | 100 |
| 905 | VR_15th_Harmonic                | VR_15th_Harmonic                | VR_15th_Harmonic | UNSIGNED<br>INT  | 100 |
| 906 | VR_16th_Harmonic                | VR_16th_Harmonic                | VR_16th_Harmonic | UNSIGNED<br>INT  | 100 |
| 907 | VR_17th_Harmonic                | VR_17th_Harmonic                | VR_17th_Harmonic | UNSIGNED<br>INT  | 100 |
| 908 | VR_18th_Harmonic                | VR_18th_Harmonic                | VR_18th_Harmonic | UNSIGNED<br>INT  | 100 |

|     |                  |                   |                  |              |     |
|-----|------------------|-------------------|------------------|--------------|-----|
| 909 | VR_19th_Harmonic | VRY_19th_Harmonic | VR_19th_Harmonic | UNSIGNED INT | 100 |
| 910 | VR_20th_Harmonic | VRY_20th_Harmonic | VR_20th_Harmonic | UNSIGNED INT | 100 |
| 911 | VR_21th_Harmonic | VRY_21th_Harmonic | VR_21th_Harmonic | UNSIGNED INT | 100 |
| 912 | VR_22th_Harmonic | VRY_22th_Harmonic | VR_22th_Harmonic | UNSIGNED INT | 100 |
| 913 | VR_23th_Harmonic | VRY_23th_Harmonic | VR_23th_Harmonic | UNSIGNED INT | 100 |
| 914 | VR_24th_Harmonic | VRY_24th_Harmonic | VR_24th_Harmonic | UNSIGNED INT | 100 |
| 915 | VR_25th_Harmonic | VRY_25th_Harmonic | VR_25th_Harmonic | UNSIGNED INT | 100 |
| 916 | VR_26th_Harmonic | VRY_26th_Harmonic | VR_26th_Harmonic | UNSIGNED INT | 100 |
| 917 | VR_27th_Harmonic | VRY_27th_Harmonic | VR_27th_Harmonic | UNSIGNED INT | 100 |
| 918 | VR_28th_Harmonic | VRY_28th_Harmonic | VR_28th_Harmonic | UNSIGNED INT | 100 |
| 919 | VR_29th_Harmonic | VRY_29th_Harmonic | VR_29th_Harmonic | UNSIGNED INT | 100 |
| 920 | VR_30th_Harmonic | VRY_30th_Harmonic | VR_30th_Harmonic | UNSIGNED INT | 100 |
| 921 | VR_THD           | VRY_THD           | VR_THD           | UNSIGNED INT | 100 |
| 922 | IR_1st_Harmonic  | IR_1st_Harmonic   | IR_1st_Harmonic  | UNSIGNED INT | 100 |
| 923 | IR_2nd_Harmonic  | IR_2nd_Harmonic   | IR_2nd_Harmonic  | UNSIGNED INT | 100 |
| 924 | IR_3rd_Harmonic  | IR_3rd_Harmonic   | IR_3rd_Harmonic  | UNSIGNED INT | 100 |
| 925 | IR_4th_Harmonic  | IR_4th_Harmonic   | IR_4th_Harmonic  | UNSIGNED INT | 100 |
| 926 | IR_5th_Harmonic  | IR_5th_Harmonic   | IR_5th_Harmonic  | UNSIGNED INT | 100 |
| 927 | IR_6th_Harmonic  | IR_6th_Harmonic   | IR_6th_Harmonic  | UNSIGNED INT | 100 |
| 928 | IR_7th_Harmonic  | IR_7th_Harmonic   | IR_7th_Harmonic  | UNSIGNED INT | 100 |
| 929 | IR_8th_Harmonic  | IR_8th_Harmonic   | IR_8th_Harmonic  | UNSIGNED INT | 100 |
| 930 | IR_9th_Harmonic  | IR_9th_Harmonic   | IR_9th_Harmonic  | UNSIGNED INT | 100 |
| 931 | IR_10th_Harmonic | IR_10th_Harmonic  | IR_10th_Harmonic | UNSIGNED INT | 100 |
| 932 | IR_11th_Harmonic | IR_11th_Harmonic  | IR_11th_Harmonic | UNSIGNED INT | 100 |
| 933 | IR_12th_Harmonic | IR_12th_Harmonic  | IR_12th_Harmonic | UNSIGNED INT | 100 |
| 934 | IR_13th_Harmonic | IR_13th_Harmonic  | IR_13th_Harmonic | UNSIGNED INT | 100 |
| 935 | IR_14th_Harmonic | IR_14th_Harmonic  | IR_14th_Harmonic | UNSIGNED INT | 100 |
| 936 | IR_15th_Harmonic | IR_15th_Harmonic  | IR_15th_Harmonic | UNSIGNED INT | 100 |

|     |                  |                  |                  |              |     |
|-----|------------------|------------------|------------------|--------------|-----|
| 937 | IR_16th_Harmonic | IR_16th_Harmonic | IR_16th_Harmonic | UNSIGNED INT | 100 |
| 938 | IR_17th_Harmonic | IR_17th_Harmonic | IR_17th_Harmonic | UNSIGNED INT | 100 |
| 939 | IR_18th_Harmonic | IR_18th_Harmonic | IR_18th_Harmonic | UNSIGNED INT | 100 |
| 940 | IR_19th_Harmonic | IR_19th_Harmonic | IR_19th_Harmonic | UNSIGNED INT | 100 |
| 941 | IR_20th_Harmonic | IR_20th_Harmonic | IR_20th_Harmonic | UNSIGNED INT | 100 |
| 942 | IR_21th_Harmonic | IR_21th_Harmonic | IR_21th_Harmonic | UNSIGNED INT | 100 |
| 943 | IR_22th_Harmonic | IR_22th_Harmonic | IR_22th_Harmonic | UNSIGNED INT | 100 |
| 944 | IR_23th_Harmonic | IR_23th_Harmonic | IR_23th_Harmonic | UNSIGNED INT | 100 |
| 945 | IR_24th_Harmonic | IR_24th_Harmonic | IR_24th_Harmonic | UNSIGNED INT | 100 |
| 946 | IR_25th_Harmonic | IR_25th_Harmonic | IR_25th_Harmonic | UNSIGNED INT | 100 |
| 947 | IR_26th_Harmonic | IR_26th_Harmonic | IR_26th_Harmonic | UNSIGNED INT | 100 |
| 948 | IR_27th_Harmonic | IR_27th_Harmonic | IR_27th_Harmonic | UNSIGNED INT | 100 |
| 949 | IR_28th_Harmonic | IR_28th_Harmonic | IR_28th_Harmonic | UNSIGNED INT | 100 |
| 950 | IR_29th_Harmonic | IR_29th_Harmonic | IR_29th_Harmonic | UNSIGNED INT | 100 |
| 951 | IR_30th_Harmonic | IR_30th_Harmonic | IR_30th_Harmonic | UNSIGNED INT | 100 |
| 952 | IR_THD           | IR_THD           | IR_THD           | UNSIGNED INT | 100 |
| 953 | VY_1st_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 954 | VY_2nd_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 955 | VY_3rd_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 956 | VY_4th_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 957 | VY_5th_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 958 | VY_6th_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 959 | VY_7th_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 960 | VY_8th_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 961 | VY_9th_Harmonic  | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 962 | VY_10th_Harmonic | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 963 | VY_11th_Harmonic | RESERVE          | RESERVE          | UNSIGNED INT | 100 |
| 964 | VY_12th_Harmonic | RESERVE          | RESERVE          | UNSIGNED INT | 100 |

|     |                  |                 |         |              |     |
|-----|------------------|-----------------|---------|--------------|-----|
| 965 | VY_13th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 966 | VY_14th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 967 | VY_15th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 968 | VY_16th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 969 | VY_17th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 970 | VY_18th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 971 | VY_19th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 972 | VY_20th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 973 | VY_21th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 974 | VY_22th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 975 | VY_23th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 976 | VY_24th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 977 | VY_25th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 978 | VY_26th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 979 | VY_27th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 980 | VY_28th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 981 | VY_29th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 982 | VY_30th_Harmonic | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 983 | VY_THD           | RESERVE         | RESERVE | UNSIGNED INT | 100 |
| 984 | IY_1st_Harmonic  | IY_1st_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 985 | IY_2nd_Harmonic  | IY_2nd_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 986 | IY_3rd_Harmonic  | IY_3rd_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 987 | IY_4th_Harmonic  | IY_4th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 988 | IY_5th_Harmonic  | IY_5th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 989 | IY_6th_Harmonic  | IY_6th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 990 | IY_7th_Harmonic  | IY_7th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 991 | IY_8th_Harmonic  | IY_8th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 992 | IY_9th_Harmonic  | IY_9th_Harmonic | RESERVE | UNSIGNED INT | 100 |

|      |                  |                  |         |              |     |
|------|------------------|------------------|---------|--------------|-----|
| 993  | IY_10th_Harmonic | IY_10th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 994  | IY_11th_Harmonic | IY_11th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 995  | IY_12th_Harmonic | IY_12th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 996  | IY_13th_Harmonic | IY_13th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 997  | IY_14th_Harmonic | IY_14th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 998  | IY_15th_Harmonic | IY_15th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 999  | IY_16th_Harmonic | IY_16th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1000 | IY_17th_Harmonic | IY_17th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1001 | IY_18th_Harmonic | IY_18th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1002 | IY_19th_Harmonic | IY_19th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1003 | IY_20th_Harmonic | IY_20th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1004 | IY_21th_Harmonic | IY_21th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1005 | IY_22th_Harmonic | IY_22th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1006 | IY_23th_Harmonic | IY_23th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1007 | IY_24th_Harmonic | IY_24th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1008 | IY_25th_Harmonic | IY_25th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1009 | IY_26th_Harmonic | IY_26th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1010 | IY_27th_Harmonic | IY_27th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1011 | IY_28th_Harmonic | IY_28th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1012 | IY_29th_Harmonic | IY_29th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1013 | IY_30th_Harmonic | IY_30th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1014 | IY_THD           | IY_THD           | RESERVE | UNSIGNED INT | 100 |
| 1015 | VB_1st_Harmonic  | VYB_1st_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1016 | VB_2nd_Harmonic  | VYB_2nd_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1017 | VB_3rd_Harmonic  | VYB_3rd_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1018 | VB_4th_Harmonic  | VYB_4th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1019 | VB_5th_Harmonic  | VYB_5th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1020 | VB_6th_Harmonic  | VYB_6th_Harmonic | RESERVE | UNSIGNED INT | 100 |



|      |                  |                   |         |              |     |
|------|------------------|-------------------|---------|--------------|-----|
| 1021 | VB_7th_Harmonic  | VYB_7th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1022 | VB_8th_Harmonic  | VYB_8th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1023 | VB_9th_Harmonic  | VYB_9th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1024 | VB_10th_Harmonic | VYB_10th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1025 | VB_11th_Harmonic | VYB_11th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1026 | VB_12th_Harmonic | VYB_12th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1027 | VB_13th_Harmonic | VYB_13th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1028 | VB_14th_Harmonic | VYB_14th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1029 | VB_15th_Harmonic | VYB_15th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1030 | VB_16th_Harmonic | VYB_16th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1031 | VB_17th_Harmonic | VYB_17th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1032 | VB_18th_Harmonic | VYB_18th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1033 | VB_19th_Harmonic | VYB_19th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1034 | VB_20th_Harmonic | VYB_20th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1035 | VB_21th_Harmonic | VYB_21th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1036 | VB_22th_Harmonic | VYB_22th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1037 | VB_23th_Harmonic | VYB_23th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1038 | VB_24th_Harmonic | VYB_24th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1039 | VB_25th_Harmonic | VYB_25th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1040 | VB_26th_Harmonic | VYB_26th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1041 | VB_27th_Harmonic | VYB_27th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1042 | VB_28th_Harmonic | VYB_28th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1043 | VB_29th_Harmonic | VYB_29th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1044 | VB_30th_Harmonic | VYB_30th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1045 | VB_THD           | VYB_THD           | RESERVE | UNSIGNED INT | 100 |
| 1046 | IB_1st_Harmonic  | IB_1st_Harmonic   | RESERVE | UNSIGNED INT | 100 |
| 1047 | IB_2nd_Harmonic  | IB_2nd_Harmonic   | RESERVE | UNSIGNED INT | 100 |
| 1048 | IB_3rd_Harmonic  | IB_3rd_Harmonic   | RESERVE | UNSIGNED INT | 100 |

|      |                  |                  |         |              |     |
|------|------------------|------------------|---------|--------------|-----|
| 1049 | IB_4th_Harmonic  | IB_4th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1050 | IB_5th_Harmonic  | IB_5th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1051 | IB_6th_Harmonic  | IB_6th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1052 | IB_7th_Harmonic  | IB_7th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1053 | IB_8th_Harmonic  | IB_8th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1054 | IB_9th_Harmonic  | IB_9th_Harmonic  | RESERVE | UNSIGNED INT | 100 |
| 1055 | IB_10th_Harmonic | IB_10th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1056 | IB_11th_Harmonic | IB_11th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1057 | IB_12th_Harmonic | IB_12th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1058 | IB_13th_Harmonic | IB_13th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1059 | IB_14th_Harmonic | IB_14th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1060 | IB_15th_Harmonic | IB_15th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1061 | IB_16th_Harmonic | IB_16th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1062 | IB_17th_Harmonic | IB_17th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1063 | IB_18th_Harmonic | IB_18th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1064 | IB_19th_Harmonic | IB_19th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1065 | IB_20th_Harmonic | IB_20th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1066 | IB_21th_Harmonic | IB_21th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1067 | IB_22th_Harmonic | IB_22th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1068 | IB_23th_Harmonic | IB_23th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1069 | IB_24th_Harmonic | IB_24th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1070 | IB_25th_Harmonic | IB_25th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1071 | IB_26th_Harmonic | IB_26th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1072 | IB_27th_Harmonic | IB_27th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1073 | IB_28th_Harmonic | IB_28th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1074 | IB_29th_Harmonic | IB_29th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1075 | IB_30th_Harmonic | IB_30th_Harmonic | RESERVE | UNSIGNED INT | 100 |
| 1076 | IB_THD           | IB_THD           | RESERVE | UNSIGNED INT | 100 |

|      |                               |                               |                               |              |   |
|------|-------------------------------|-------------------------------|-------------------------------|--------------|---|
| 1077 | RTC - DATE                    | RTC - DATE                    | RTC - DATE                    | UNSIGNED INT | 1 |
| 1078 | RTC - MONTH                   | RTC - MONTH                   | RTC - MONTH                   | UNSIGNED INT | 1 |
| 1079 | RTC - YEAR                    | RTC - YEAR                    | RTC - YEAR                    | UNSIGNED INT | 1 |
| 1080 | RTC - HOUR                    | RTC - HOUR                    | RTC - HOUR                    | UNSIGNED INT | 1 |
| 1081 | RTC - MINUTE                  | RTC - MINUTE                  | RTC - MINUTE                  | UNSIGNED INT | 1 |
| 1082 | RTC - SECOND                  | RTC - SECOND                  | RTC - SECOND                  | UNSIGNED INT | 1 |
| 1083 | INTERRUPTION 1 - DATE         | INTERRUPTION 1 - DATE         | INTERRUPTION 1 - DATE         | UNSIGNED INT | 1 |
| 1084 | INTERRUPTION 1 - MONTH        | INTERRUPTION 1 - MONTH        | INTERRUPTION 1 - MONTH        | UNSIGNED INT | 1 |
| 1085 | INTERRUPTION 1 - YEAR         | INTERRUPTION 1 - YEAR         | INTERRUPTION 1 - YEAR         | UNSIGNED INT | 1 |
| 1086 | INTERRUPTION 1 - HOUR         | INTERRUPTION 1 - HOUR         | INTERRUPTION 1 - HOUR         | UNSIGNED INT | 1 |
| 1087 | INTERRUPTION 1 - MINUTE       | INTERRUPTION 1 - MINUTE       | INTERRUPTION 1 - MINUTE       | UNSIGNED INT | 1 |
| 1088 | INTERRUPTION 1 - SECOND       | INTERRUPTION 1 - SECOND       | INTERRUPTION 1 - SECOND       | UNSIGNED INT | 1 |
| 1089 | INTERRUPTION 1 - MILLI SECOND | INTERRUPTION 1 - MILLI SECOND | INTERRUPTION 1 - MILLI SECOND | UNSIGNED INT | 1 |
| 1090 | INTERRUPTION 1 - DURATION     | INTERRUPTION 1 - DURATION     | INTERRUPTION 1 - DURATION     | UNSIGNED INT | 1 |
| 1091 | INTERRUPTION 2 - DATE         | INTERRUPTION 2 - DATE         | INTERRUPTION 2 - DATE         | UNSIGNED INT | 1 |
| 1092 | INTERRUPTION 2 - MONTH        | INTERRUPTION 2 - MONTH        | INTERRUPTION 2 - MONTH        | UNSIGNED INT | 1 |
| 1093 | INTERRUPTION 2 - YEAR         | INTERRUPTION 2 - YEAR         | INTERRUPTION 2 - YEAR         | UNSIGNED INT | 1 |
| 1094 | INTERRUPTION 2 - HOUR         | INTERRUPTION 2 - HOUR         | INTERRUPTION 2 - HOUR         | UNSIGNED INT | 1 |
| 1095 | INTERRUPTION 2 - MINUTE       | INTERRUPTION 2 - MINUTE       | INTERRUPTION 2 - MINUTE       | UNSIGNED INT | 1 |
| 1096 | INTERRUPTION 2 - SECOND       | INTERRUPTION 2 - SECOND       | INTERRUPTION 2 - SECOND       | UNSIGNED INT | 1 |
| 1097 | INTERRUPTION 2 - MILLI SECOND | INTERRUPTION 2 - MILLI SECOND | INTERRUPTION 2 - MILLI SECOND | UNSIGNED INT | 1 |
| 1098 | INTERRUPTION 2 - DURATION     | INTERRUPTION 2 - DURATION     | INTERRUPTION 2 - DURATION     | UNSIGNED INT | 1 |
| 1099 | INTERRUPTION 3 - DATE         | INTERRUPTION 3 - DATE         | INTERRUPTION 3 - DATE         | UNSIGNED INT | 1 |
| 1100 | INTERRUPTION 3 - MONTH        | INTERRUPTION 3 - MONTH        | INTERRUPTION 3 - MONTH        | UNSIGNED INT | 1 |
| 1101 | INTERRUPTION 3 - YEAR         | INTERRUPTION 3 - YEAR         | INTERRUPTION 3 - YEAR         | UNSIGNED INT | 1 |
| 1102 | INTERRUPTION 3 - HOUR         | INTERRUPTION 3 - HOUR         | INTERRUPTION 3 - HOUR         | UNSIGNED INT | 1 |
| 1103 | INTERRUPTION 3 - MINUTE       | INTERRUPTION 3 - MINUTE       | INTERRUPTION 3 - MINUTE       | UNSIGNED INT | 1 |
| 1104 | INTERRUPTION 3 - SECOND       | INTERRUPTION 3 - SECOND       | INTERRUPTION 3 - SECOND       | UNSIGNED INT | 1 |

|      |                                  |                                  |                                  |                 |   |
|------|----------------------------------|----------------------------------|----------------------------------|-----------------|---|
| 1105 | INTERRUPTION 3 - MILLI<br>SECOND | INTERRUPTION 3 - MILLI<br>SECOND | INTERRUPTION 3 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1106 | INTERRUPTION 3 -<br>DURATION     | INTERRUPTION 3 -<br>DURATION     | INTERRUPTION 3 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1107 | INTERRUPTION 4 - DATE            | INTERRUPTION 4 - DATE            | INTERRUPTION 4 - DATE            | UNSIGNED<br>INT | 1 |
| 1108 | INTERRUPTION 4 -<br>MONTH        | INTERRUPTION 4 -<br>MONTH        | INTERRUPTION 4 -<br>MONTH        | UNSIGNED<br>INT | 1 |
| 1109 | INTERRUPTION 4 - YEAR            | INTERRUPTION 4 - YEAR            | INTERRUPTION 4 - YEAR            | UNSIGNED<br>INT | 1 |
| 1110 | INTERRUPTION 4 - HOUR            | INTERRUPTION 4 - HOUR            | INTERRUPTION 4 - HOUR            | UNSIGNED<br>INT | 1 |
| 1111 | INTERRUPTION 4 -<br>MINUTE       | INTERRUPTION 4 -<br>MINUTE       | INTERRUPTION 4 -<br>MINUTE       | UNSIGNED<br>INT | 1 |
| 1112 | INTERRUPTION 4 -<br>SECOND       | INTERRUPTION 4 -<br>SECOND       | INTERRUPTION 4 -<br>SECOND       | UNSIGNED<br>INT | 1 |
| 1113 | INTERRUPTION 4 - MILLI<br>SECOND | INTERRUPTION 4 - MILLI<br>SECOND | INTERRUPTION 4 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1114 | INTERRUPTION 4 -<br>DURATION     | INTERRUPTION 4 -<br>DURATION     | INTERRUPTION 4 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1115 | INTERRUPTION 5 - DATE            | INTERRUPTION 5 - DATE            | INTERRUPTION 5 - DATE            | UNSIGNED<br>INT | 1 |
| 1116 | INTERRUPTION 5 -<br>MONTH        | INTERRUPTION 5 -<br>MONTH        | INTERRUPTION 5 -<br>MONTH        | UNSIGNED<br>INT | 1 |
| 1117 | INTERRUPTION 5 - YEAR            | INTERRUPTION 5 - YEAR            | INTERRUPTION 5 - YEAR            | UNSIGNED<br>INT | 1 |
| 1118 | INTERRUPTION 5 - HOUR            | INTERRUPTION 5 - HOUR            | INTERRUPTION 5 - HOUR            | UNSIGNED<br>INT | 1 |
| 1119 | INTERRUPTION 5 -<br>MINUTE       | INTERRUPTION 5 -<br>MINUTE       | INTERRUPTION 5 -<br>MINUTE       | UNSIGNED<br>INT | 1 |
| 1120 | INTERRUPTION 5 -<br>SECOND       | INTERRUPTION 5 -<br>SECOND       | INTERRUPTION 5 -<br>SECOND       | UNSIGNED<br>INT | 1 |
| 1121 | INTERRUPTION 5 - MILLI<br>SECOND | INTERRUPTION 5 - MILLI<br>SECOND | INTERRUPTION 5 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1122 | INTERRUPTION 5 -<br>DURATION     | INTERRUPTION 5 -<br>DURATION     | INTERRUPTION 5 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1123 | INTERRUPTION 6 - DATE            | INTERRUPTION 6 - DATE            | INTERRUPTION 6 - DATE            | UNSIGNED<br>INT | 1 |
| 1124 | INTERRUPTION 6 -<br>MONTH        | INTERRUPTION 6 -<br>MONTH        | INTERRUPTION 6 -<br>MONTH        | UNSIGNED<br>INT | 1 |
| 1125 | INTERRUPTION 6 - YEAR            | INTERRUPTION 6 - YEAR            | INTERRUPTION 6 - YEAR            | UNSIGNED<br>INT | 1 |
| 1126 | INTERRUPTION 6 - HOUR            | INTERRUPTION 6 - HOUR            | INTERRUPTION 6 - HOUR            | UNSIGNED<br>INT | 1 |
| 1127 | INTERRUPTION 6 -<br>MINUTE       | INTERRUPTION 6 -<br>MINUTE       | INTERRUPTION 6 -<br>MINUTE       | UNSIGNED<br>INT | 1 |
| 1128 | INTERRUPTION 6 -<br>SECOND       | INTERRUPTION 6 -<br>SECOND       | INTERRUPTION 6 -<br>SECOND       | UNSIGNED<br>INT | 1 |
| 1129 | INTERRUPTION 6 - MILLI<br>SECOND | INTERRUPTION 6 - MILLI<br>SECOND | INTERRUPTION 6 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1130 | INTERRUPTION 6 -<br>DURATION     | INTERRUPTION 6 -<br>DURATION     | INTERRUPTION 6 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1131 | INTERRUPTION 7 - DATE            | INTERRUPTION 7 - DATE            | INTERRUPTION 7 - DATE            | UNSIGNED<br>INT | 1 |
| 1132 | INTERRUPTION 7 -<br>MONTH        | INTERRUPTION 7 -<br>MONTH        | INTERRUPTION 7 -<br>MONTH        | UNSIGNED<br>INT | 1 |

|      |                               |                               |                               |              |   |
|------|-------------------------------|-------------------------------|-------------------------------|--------------|---|
| 1133 | INTTERUPTION 7 - YEAR         | INTTERUPTION 7 - YEAR         | INTTERUPTION 7 - YEAR         | UNSIGNED INT | 1 |
| 1134 | INTTERUPTION 7 - HOUR         | INTTERUPTION 7 - HOUR         | INTTERUPTION 7 - HOUR         | UNSIGNED INT | 1 |
| 1135 | INTTERUPTION 7 - MINUTE       | INTTERUPTION 7 - MINUTE       | INTTERUPTION 7 - MINUTE       | UNSIGNED INT | 1 |
| 1136 | INTTERUPTION 7 - SECOND       | INTTERUPTION 7 - SECOND       | INTTERUPTION 7 - SECOND       | UNSIGNED INT | 1 |
| 1137 | INTTERUPTION 7 - MILLI SECOND | INTTERUPTION 7 - MILLI SECOND | INTTERUPTION 7 - MILLI SECOND | UNSIGNED INT | 1 |
| 1138 | INTTERUPTION 7 - DURATION     | INTTERUPTION 7 - DURATION     | INTTERUPTION 7 - DURATION     | UNSIGNED INT | 1 |
| 1139 | INTTERUPTION 8 - DATE         | INTTERUPTION 8 - DATE         | INTTERUPTION 8 - DATE         | UNSIGNED INT | 1 |
| 1140 | INTTERUPTION 8 - MONTH        | INTTERUPTION 8 - MONTH        | INTTERUPTION 8 - MONTH        | UNSIGNED INT | 1 |
| 1141 | INTTERUPTION 8 - YEAR         | INTTERUPTION 8 - YEAR         | INTTERUPTION 8 - YEAR         | UNSIGNED INT | 1 |
| 1142 | INTTERUPTION 8 - HOUR         | INTTERUPTION 8 - HOUR         | INTTERUPTION 8 - HOUR         | UNSIGNED INT | 1 |
| 1143 | INTTERUPTION 8 - MINUTE       | INTTERUPTION 8 - MINUTE       | INTTERUPTION 8 - MINUTE       | UNSIGNED INT | 1 |
| 1144 | INTTERUPTION 8 - SECOND       | INTTERUPTION 8 - SECOND       | INTTERUPTION 8 - SECOND       | UNSIGNED INT | 1 |
| 1145 | INTTERUPTION 8 - MILLI SECOND | INTTERUPTION 8 - MILLI SECOND | INTTERUPTION 8 - MILLI SECOND | UNSIGNED INT | 1 |
| 1146 | INTTERUPTION 8 - DURATION     | INTTERUPTION 8 - DURATION     | INTTERUPTION 8 - DURATION     | UNSIGNED INT | 1 |
| 1147 | INTTERUPTION 9 - DATE         | INTTERUPTION 9 - DATE         | INTTERUPTION 9 - DATE         | UNSIGNED INT | 1 |
| 1148 | INTTERUPTION 9 - MONTH        | INTTERUPTION 9 - MONTH        | INTTERUPTION 9 - MONTH        | UNSIGNED INT | 1 |
| 1149 | INTTERUPTION 9 - YEAR         | INTTERUPTION 9 - YEAR         | INTTERUPTION 9 - YEAR         | UNSIGNED INT | 1 |
| 1150 | INTTERUPTION 9 - HOUR         | INTTERUPTION 9 - HOUR         | INTTERUPTION 9 - HOUR         | UNSIGNED INT | 1 |
| 1151 | INTTERUPTION 9 - MINUTE       | INTTERUPTION 9 - MINUTE       | INTTERUPTION 9 - MINUTE       | UNSIGNED INT | 1 |
| 1152 | INTTERUPTION 9 - SECOND       | INTTERUPTION 9 - SECOND       | INTTERUPTION 9 - SECOND       | UNSIGNED INT | 1 |
| 1153 | INTTERUPTION 9 - MILLI SECOND | INTTERUPTION 9 - MILLI SECOND | INTTERUPTION 9 - MILLI SECOND | UNSIGNED INT | 1 |
| 1154 | INTTERUPTION 9 - DURATION     | INTTERUPTION 9 - DURATION     | INTTERUPTION 9 - DURATION     | UNSIGNED INT | 1 |
| 1155 | INTTERUPTION 10 - DATE        | INTTERUPTION 10 - DATE        | INTTERUPTION 10 - DATE        | UNSIGNED INT | 1 |
| 1156 | INTTERUPTION 10 - MONTH       | INTTERUPTION 10 - MONTH       | INTTERUPTION 10 - MONTH       | UNSIGNED INT | 1 |
| 1157 | INTTERUPTION 10 - YEAR        | INTTERUPTION 10 - YEAR        | INTTERUPTION 10 - YEAR        | UNSIGNED INT | 1 |
| 1158 | INTTERUPTION 10 - HOUR        | INTTERUPTION 10 - HOUR        | INTTERUPTION 10 - HOUR        | UNSIGNED INT | 1 |
| 1159 | INTTERUPTION 10 - MINUTE      | INTTERUPTION 10 - MINUTE      | INTTERUPTION 10 - MINUTE      | UNSIGNED INT | 1 |
| 1160 | INTTERUPTION 10 - SECOND      | INTTERUPTION 10 - SECOND      | INTTERUPTION 10 - SECOND      | UNSIGNED INT | 1 |

|      |                                   |                                   |                                   |                 |   |
|------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------|---|
| 1161 | INTERRUPTION 10 - MILLI<br>SECOND | INTERRUPTION 10 - MILLI<br>SECOND | INTERRUPTION 10 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1162 | INTERRUPTION 10 -<br>DURATION     | INTERRUPTION 10 -<br>DURATION     | INTERRUPTION 10 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1163 | INTERRUPTION 11 - DATE            | INTERRUPTION 11 - DATE            | INTERRUPTION 11 - DATE            | UNSIGNED<br>INT | 1 |
| 1164 | INTERRUPTION 11 -<br>MONTH        | INTERRUPTION 11 -<br>MONTH        | INTERRUPTION 11 -<br>MONTH        | UNSIGNED<br>INT | 1 |
| 1165 | INTERRUPTION 11 - YEAR            | INTERRUPTION 11 - YEAR            | INTERRUPTION 11 - YEAR            | UNSIGNED<br>INT | 1 |
| 1166 | INTERRUPTION 11 -<br>HOUR         | INTERRUPTION 11 -<br>HOUR         | INTERRUPTION 11 -<br>HOUR         | UNSIGNED<br>INT | 1 |
| 1167 | INTERRUPTION 11 -<br>MINUTE       | INTERRUPTION 11 -<br>MINUTE       | INTERRUPTION 11 -<br>MINUTE       | UNSIGNED<br>INT | 1 |
| 1168 | INTERRUPTION 11 -<br>SECOND       | INTERRUPTION 11 -<br>SECOND       | INTERRUPTION 11 -<br>SECOND       | UNSIGNED<br>INT | 1 |
| 1169 | INTERRUPTION 11 - MILLI<br>SECOND | INTERRUPTION 11 - MILLI<br>SECOND | INTERRUPTION 11 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1170 | INTERRUPTION 11 -<br>DURATION     | INTERRUPTION 11 -<br>DURATION     | INTERRUPTION 11 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1171 | INTERRUPTION 12 - DATE            | INTERRUPTION 12 - DATE            | INTERRUPTION 12 - DATE            | UNSIGNED<br>INT | 1 |
| 1172 | INTERRUPTION 12 -<br>MONTH        | INTERRUPTION 12 -<br>MONTH        | INTERRUPTION 12 -<br>MONTH        | UNSIGNED<br>INT | 1 |
| 1173 | INTERRUPTION 12 - YEAR            | INTERRUPTION 12 - YEAR            | INTERRUPTION 12 - YEAR            | UNSIGNED<br>INT | 1 |
| 1174 | INTERRUPTION 12 -<br>HOUR         | INTERRUPTION 12 -<br>HOUR         | INTERRUPTION 12 -<br>HOUR         | UNSIGNED<br>INT | 1 |
| 1175 | INTERRUPTION 12 -<br>MINUTE       | INTERRUPTION 12 -<br>MINUTE       | INTERRUPTION 12 -<br>MINUTE       | UNSIGNED<br>INT | 1 |
| 1176 | INTERRUPTION 12 -<br>SECOND       | INTERRUPTION 12 -<br>SECOND       | INTERRUPTION 12 -<br>SECOND       | UNSIGNED<br>INT | 1 |
| 1177 | INTERRUPTION 12 - MILLI<br>SECOND | INTERRUPTION 12 - MILLI<br>SECOND | INTERRUPTION 12 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1178 | INTERRUPTION 12 -<br>DURATION     | INTERRUPTION 12 -<br>DURATION     | INTERRUPTION 12 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1179 | INTERRUPTION 13 - DATE            | INTERRUPTION 13 - DATE            | INTERRUPTION 13 - DATE            | UNSIGNED<br>INT | 1 |
| 1180 | INTERRUPTION 13 -<br>MONTH        | INTERRUPTION 13 -<br>MONTH        | INTERRUPTION 13 -<br>MONTH        | UNSIGNED<br>INT | 1 |
| 1181 | INTERRUPTION 13 - YEAR            | INTERRUPTION 13 - YEAR            | INTERRUPTION 13 - YEAR            | UNSIGNED<br>INT | 1 |
| 1182 | INTERRUPTION 13 -<br>HOUR         | INTERRUPTION 13 -<br>HOUR         | INTERRUPTION 13 -<br>HOUR         | UNSIGNED<br>INT | 1 |
| 1183 | INTERRUPTION 13 -<br>MINUTE       | INTERRUPTION 13 -<br>MINUTE       | INTERRUPTION 13 -<br>MINUTE       | UNSIGNED<br>INT | 1 |
| 1184 | INTERRUPTION 13 -<br>SECOND       | INTERRUPTION 13 -<br>SECOND       | INTERRUPTION 13 -<br>SECOND       | UNSIGNED<br>INT | 1 |
| 1185 | INTERRUPTION 13 - MILLI<br>SECOND | INTERRUPTION 13 - MILLI<br>SECOND | INTERRUPTION 13 - MILLI<br>SECOND | UNSIGNED<br>INT | 1 |
| 1186 | INTERRUPTION 13 -<br>DURATION     | INTERRUPTION 13 -<br>DURATION     | INTERRUPTION 13 -<br>DURATION     | UNSIGNED<br>INT | 1 |
| 1187 | INTERRUPTION 14 - DATE            | INTERRUPTION 14 - DATE            | INTERRUPTION 14 - DATE            | UNSIGNED<br>INT | 1 |
| 1188 | INTERRUPTION 14 -<br>MONTH        | INTERRUPTION 14 -<br>MONTH        | INTERRUPTION 14 -<br>MONTH        | UNSIGNED<br>INT | 1 |

|      |                                |                                |                                |              |   |
|------|--------------------------------|--------------------------------|--------------------------------|--------------|---|
| 1189 | INTERRUPTION 14 - YEAR         | INTERRUPTION 14 - YEAR         | INTERRUPTION 14 - YEAR         | UNSIGNED INT | 1 |
| 1190 | INTERRUPTION 14 - HOUR         | INTERRUPTION 14 - HOUR         | INTERRUPTION 14 - HOUR         | UNSIGNED INT | 1 |
| 1191 | INTERRUPTION 14 - MINUTE       | INTERRUPTION 14 - MINUTE       | INTERRUPTION 14 - MINUTE       | UNSIGNED INT | 1 |
| 1192 | INTERRUPTION 14 - SECOND       | INTERRUPTION 14 - SECOND       | INTERRUPTION 14 - SECOND       | UNSIGNED INT | 1 |
| 1193 | INTERRUPTION 14 - MILLI SECOND | INTERRUPTION 14 - MILLI SECOND | INTERRUPTION 14 - MILLI SECOND | UNSIGNED INT | 1 |
| 1194 | INTERRUPTION 14 - DURATION     | INTERRUPTION 14 - DURATION     | INTERRUPTION 14 - DURATION     | UNSIGNED INT | 1 |
| 1195 | INTERRUPTION 15 - DATE         | INTERRUPTION 15 - DATE         | INTERRUPTION 15 - DATE         | UNSIGNED INT | 1 |
| 1196 | INTERRUPTION 15 - MONTH        | INTERRUPTION 15 - MONTH        | INTERRUPTION 15 - MONTH        | UNSIGNED INT | 1 |
| 1197 | INTERRUPTION 15 - YEAR         | INTERRUPTION 15 - YEAR         | INTERRUPTION 15 - YEAR         | UNSIGNED INT | 1 |
| 1198 | INTERRUPTION 15 - HOUR         | INTERRUPTION 15 - HOUR         | INTERRUPTION 15 - HOUR         | UNSIGNED INT | 1 |
| 1199 | INTERRUPTION 15 - MINUTE       | INTERRUPTION 15 - MINUTE       | INTERRUPTION 15 - MINUTE       | UNSIGNED INT | 1 |
| 1200 | INTERRUPTION 15 - SECOND       | INTERRUPTION 15 - SECOND       | INTERRUPTION 15 - SECOND       | UNSIGNED INT | 1 |
| 1201 | INTERRUPTION 15 - MILLI SECOND | INTERRUPTION 15 - MILLI SECOND | INTERRUPTION 15 - MILLI SECOND | UNSIGNED INT | 1 |
| 1202 | INTERRUPTION 15 - DURATION     | INTERRUPTION 15 - DURATION     | INTERRUPTION 15 - DURATION     | UNSIGNED INT | 1 |
| 1203 | INTERRUPTION 16 - DATE         | INTERRUPTION 16 - DATE         | INTERRUPTION 16 - DATE         | UNSIGNED INT | 1 |
| 1204 | INTERRUPTION 16 - MONTH        | INTERRUPTION 16 - MONTH        | INTERRUPTION 16 - MONTH        | UNSIGNED INT | 1 |
| 1205 | INTERRUPTION 16 - YEAR         | INTERRUPTION 16 - YEAR         | INTERRUPTION 16 - YEAR         | UNSIGNED INT | 1 |
| 1206 | INTERRUPTION 16 - HOUR         | INTERRUPTION 16 - HOUR         | INTERRUPTION 16 - HOUR         | UNSIGNED INT | 1 |
| 1207 | INTERRUPTION 16 - MINUTE       | INTERRUPTION 16 - MINUTE       | INTERRUPTION 16 - MINUTE       | UNSIGNED INT | 1 |
| 1208 | INTERRUPTION 16 - SECOND       | INTERRUPTION 16 - SECOND       | INTERRUPTION 16 - SECOND       | UNSIGNED INT | 1 |
| 1209 | INTERRUPTION 16 - MILLI SECOND | INTERRUPTION 16 - MILLI SECOND | INTERRUPTION 16 - MILLI SECOND | UNSIGNED INT | 1 |
| 1210 | INTERRUPTION 16 - DURATION     | INTERRUPTION 16 - DURATION     | INTERRUPTION 16 - DURATION     | UNSIGNED INT | 1 |
| 1211 | INTERRUPTION 17 - DATE         | INTERRUPTION 17 - DATE         | INTERRUPTION 17 - DATE         | UNSIGNED INT | 1 |
| 1212 | INTERRUPTION 17 - MONTH        | INTERRUPTION 17 - MONTH        | INTERRUPTION 17 - MONTH        | UNSIGNED INT | 1 |
| 1213 | INTERRUPTION 17 - YEAR         | INTERRUPTION 17 - YEAR         | INTERRUPTION 17 - YEAR         | UNSIGNED INT | 1 |
| 1214 | INTERRUPTION 17 - HOUR         | INTERRUPTION 17 - HOUR         | INTERRUPTION 17 - HOUR         | UNSIGNED INT | 1 |
| 1215 | INTERRUPTION 17 - MINUTE       | INTERRUPTION 17 - MINUTE       | INTERRUPTION 17 - MINUTE       | UNSIGNED INT | 1 |
| 1216 | INTERRUPTION 17 - SECOND       | INTERRUPTION 17 - SECOND       | INTERRUPTION 17 - SECOND       | UNSIGNED INT | 1 |

|      |                                |                                |                                |               |     |
|------|--------------------------------|--------------------------------|--------------------------------|---------------|-----|
| 1217 | INTERRUPTION 17 - MILLI SECOND | INTERRUPTION 17 - MILLI SECOND | INTERRUPTION 17 - MILLI SECOND | UNSIGNED INT  | 1   |
| 1218 | INTERRUPTION 17 - DURATION     | INTERRUPTION 17 - DURATION     | INTERRUPTION 17 - DURATION     | UNSIGNED INT  | 1   |
| 1219 | INTERRUPTION 18 - DATE         | INTERRUPTION 18 - DATE         | INTERRUPTION 18 - DATE         | UNSIGNED INT  | 1   |
| 1220 | INTERRUPTION 18 - MONTH        | INTERRUPTION 18 - MONTH        | INTERRUPTION 18 - MONTH        | UNSIGNED INT  | 1   |
| 1221 | INTERRUPTION 18 - YEAR         | INTERRUPTION 18 - YEAR         | INTERRUPTION 18 - YEAR         | UNSIGNED INT  | 1   |
| 1222 | INTERRUPTION 18 - HOUR         | INTERRUPTION 18 - HOUR         | INTERRUPTION 18 - HOUR         | UNSIGNED INT  | 1   |
| 1223 | INTERRUPTION 18 - MINUTE       | INTERRUPTION 18 - MINUTE       | INTERRUPTION 18 - MINUTE       | UNSIGNED INT  | 1   |
| 1224 | INTERRUPTION 18 - SECOND       | INTERRUPTION 18 - SECOND       | INTERRUPTION 18 - SECOND       | UNSIGNED INT  | 1   |
| 1225 | INTERRUPTION 18 - MILLI SECOND | INTERRUPTION 18 - MILLI SECOND | INTERRUPTION 18 - MILLI SECOND | UNSIGNED INT  | 1   |
| 1226 | INTERRUPTION 18 - DURATION     | INTERRUPTION 18 - DURATION     | INTERRUPTION 18 - DURATION     | UNSIGNED INT  | 1   |
| 1227 | INTERRUPTION 19 - DATE         | INTERRUPTION 19 - DATE         | INTERRUPTION 19 - DATE         | UNSIGNED INT  | 1   |
| 1228 | INTERRUPTION 19 - MONTH        | INTERRUPTION 19 - MONTH        | INTERRUPTION 19 - MONTH        | UNSIGNED INT  | 1   |
| 1229 | INTERRUPTION 19 - YEAR         | INTERRUPTION 19 - YEAR         | INTERRUPTION 19 - YEAR         | UNSIGNED INT  | 1   |
| 1230 | INTERRUPTION 19 - HOUR         | INTERRUPTION 19 - HOUR         | INTERRUPTION 19 - HOUR         | UNSIGNED INT  | 1   |
| 1231 | INTERRUPTION 19 - MINUTE       | INTERRUPTION 19 - MINUTE       | INTERRUPTION 19 - MINUTE       | UNSIGNED INT  | 1   |
| 1232 | INTERRUPTION 19 - SECOND       | INTERRUPTION 19 - SECOND       | INTERRUPTION 19 - SECOND       | UNSIGNED INT  | 1   |
| 1233 | INTERRUPTION 19 - MILLI SECOND | INTERRUPTION 19 - MILLI SECOND | INTERRUPTION 19 - MILLI SECOND | UNSIGNED INT  | 1   |
| 1234 | INTERRUPTION 19 - DURATION     | INTERRUPTION 19 - DURATION     | INTERRUPTION 19 - DURATION     | UNSIGNED INT  | 1   |
| 1235 | INTERRUPTION 20 - DATE         | INTERRUPTION 20 - DATE         | INTERRUPTION 20 - DATE         | UNSIGNED INT  | 1   |
| 1236 | INTERRUPTION 20 - MONTH        | INTERRUPTION 20 - MONTH        | INTERRUPTION 20 - MONTH        | UNSIGNED INT  | 1   |
| 1237 | INTERRUPTION 20 - YEAR         | INTERRUPTION 20 - YEAR         | INTERRUPTION 20 - YEAR         | UNSIGNED INT  | 1   |
| 1238 | INTERRUPTION 20 - HOUR         | INTERRUPTION 20 - HOUR         | INTERRUPTION 20 - HOUR         | UNSIGNED INT  | 1   |
| 1239 | INTERRUPTION 20 - MINUTE       | INTERRUPTION 20 - MINUTE       | INTERRUPTION 20 - MINUTE       | UNSIGNED INT  | 1   |
| 1240 | INTERRUPTION 20 - SECOND       | INTERRUPTION 20 - SECOND       | INTERRUPTION 20 - SECOND       | UNSIGNED INT  | 1   |
| 1241 | INTERRUPTION 20 - MILLI SECOND | INTERRUPTION 20 - MILLI SECOND | INTERRUPTION 20 - MILLI SECOND | UNSIGNED INT  | 1   |
| 1242 | INTERRUPTION 20 - DURATION     | INTERRUPTION 20 - DURATION     | INTERRUPTION 20 - DURATION     | UNSIGNED INT  | 1   |
| 1243 | SAG_SWELL_DATA - LOG<br>1      | SAG_SWELL_DATA - LOG<br>1      | SAG_SWELL_DATA - LOG<br>1      | UNSIGNED LONG | 100 |
| 1245 | SAG_SWELL_DATE - LOG<br>1      | SAG_SWELL_DATE - LOG<br>1      | SAG_SWELL_DATE - LOG<br>1      | UNSIGNED INT  | 1   |



|      |                                |                                |                                |               |     |
|------|--------------------------------|--------------------------------|--------------------------------|---------------|-----|
| 1246 | SAG_SWELL_MONTH - LOG 1        | SAG_SWELL_MONTH - LOG 1        | SAG_SWELL_MONTH - LOG 1        | UNSIGNED INT  | 1   |
| 1247 | SAG_SWELL_YEAR - LOG 1         | SAG_SWELL_YEAR - LOG 1         | SAG_SWELL_YEAR - LOG 1         | UNSIGNED INT  | 1   |
| 1248 | SAG_SWELL_HOUR - LOG 1         | SAG_SWELL_HOUR - LOG 1         | SAG_SWELL_HOUR - LOG 1         | UNSIGNED INT  | 1   |
| 1249 | SAG_SWELL_MINUTE - LOG 1       | SAG_SWELL_MINUTE - LOG 1       | SAG_SWELL_MINUTE - LOG 1       | UNSIGNED INT  | 1   |
| 1250 | SAG_SWELL_SECOND - LOG 1       | SAG_SWELL_SECOND - LOG 1       | SAG_SWELL_SECOND - LOG 1       | UNSIGNED INT  | 1   |
| 1251 | SAG_SWELL_MILLI SECOND - LOG 1 | SAG_SWELL_MILLI SECOND - LOG 1 | SAG_SWELL_MILLI SECOND - LOG 1 | UNSIGNED INT  | 1   |
| 1252 | SAG_SWELL_DURATION - LOG 1     | SAG_SWELL_DURATION - LOG 1     | SAG_SWELL_DURATION - LOG 1     | UNSIGNED INT  | 1   |
| 1253 | SAG_SWELL_INFO - LOG 1         | SAG_SWELL_INFO - LOG 1         | SAG_SWELL_INFO - LOG 1         | UNSIGNED INT  | 1   |
| 1254 | SAG_SWELL_DATA - LOG 2         | SAG_SWELL_DATA - LOG 2         | SAG_SWELL_DATA - LOG 2         | UNSIGNED LONG | 100 |
| 1256 | SAG_SWELL_DATE - LOG 2         | SAG_SWELL_DATE - LOG 2         | SAG_SWELL_DATE - LOG 2         | UNSIGNED INT  | 1   |
| 1257 | SAG_SWELL_MONTH - LOG 2        | SAG_SWELL_MONTH - LOG 2        | SAG_SWELL_MONTH - LOG 2        | UNSIGNED INT  | 1   |
| 1258 | SAG_SWELL_YEAR - LOG 2         | SAG_SWELL_YEAR - LOG 2         | SAG_SWELL_YEAR - LOG 2         | UNSIGNED INT  | 1   |
| 1259 | SAG_SWELL_HOUR - LOG 2         | SAG_SWELL_HOUR - LOG 2         | SAG_SWELL_HOUR - LOG 2         | UNSIGNED INT  | 1   |
| 1260 | SAG_SWELL_MINUTE - LOG 2       | SAG_SWELL_MINUTE - LOG 2       | SAG_SWELL_MINUTE - LOG 2       | UNSIGNED INT  | 1   |
| 1261 | SAG_SWELL_SECOND - LOG 2       | SAG_SWELL_SECOND - LOG 2       | SAG_SWELL_SECOND - LOG 2       | UNSIGNED INT  | 1   |
| 1262 | SAG_SWELL_MILLI SECOND - LOG 2 | SAG_SWELL_MILLI SECOND - LOG 2 | SAG_SWELL_MILLI SECOND - LOG 2 | UNSIGNED INT  | 1   |
| 1263 | SAG_SWELL_DURATION - LOG 2     | SAG_SWELL_DURATION - LOG 2     | SAG_SWELL_DURATION - LOG 2     | UNSIGNED INT  | 1   |
| 1264 | SAG_SWELL_INFO - LOG 2         | SAG_SWELL_INFO - LOG 2         | SAG_SWELL_INFO - LOG 2         | UNSIGNED INT  | 1   |
| 1265 | SAG_SWELL_DATA - LOG 3         | SAG_SWELL_DATA - LOG 3         | SAG_SWELL_DATA - LOG 3         | UNSIGNED LONG | 100 |
| 1267 | SAG_SWELL_DATE - LOG 3         | SAG_SWELL_DATE - LOG 3         | SAG_SWELL_DATE - LOG 3         | UNSIGNED INT  | 1   |
| 1268 | SAG_SWELL_MONTH - LOG 3        | SAG_SWELL_MONTH - LOG 3        | SAG_SWELL_MONTH - LOG 3        | UNSIGNED INT  | 1   |
| 1269 | SAG_SWELL_YEAR - LOG 3         | SAG_SWELL_YEAR - LOG 3         | SAG_SWELL_YEAR - LOG 3         | UNSIGNED INT  | 1   |
| 1270 | SAG_SWELL_HOUR - LOG 3         | SAG_SWELL_HOUR - LOG 3         | SAG_SWELL_HOUR - LOG 3         | UNSIGNED INT  | 1   |
| 1271 | SAG_SWELL_MINUTE - LOG 3       | SAG_SWELL_MINUTE - LOG 3       | SAG_SWELL_MINUTE - LOG 3       | UNSIGNED INT  | 1   |
| 1272 | SAG_SWELL_SECOND - LOG 3       | SAG_SWELL_SECOND - LOG 3       | SAG_SWELL_SECOND - LOG 3       | UNSIGNED INT  | 1   |
| 1273 | SAG_SWELL_MILLI SECOND - LOG 3 | SAG_SWELL_MILLI SECOND - LOG 3 | SAG_SWELL_MILLI SECOND - LOG 3 | UNSIGNED INT  | 1   |
| 1274 | SAG_SWELL_DURATION - LOG 3     | SAG_SWELL_DURATION - LOG 3     | SAG_SWELL_DURATION - LOG 3     | UNSIGNED INT  | 1   |
| 1275 | SAG_SWELL_INFO - LOG 3         | SAG_SWELL_INFO - LOG 3         | SAG_SWELL_INFO - LOG 3         | UNSIGNED INT  | 1   |

|      |                                   |                                   |                                   |                  |     |
|------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----|
| 1276 | SAG_SWELL_DATA - LOG<br>4         | SAG_SWELL_DATA - LOG<br>4         | SAG_SWELL_DATA - LOG<br>4         | UNSIGNED<br>LONG | 100 |
| 1278 | SAG_SWELL_DATE - LOG<br>4         | SAG_SWELL_DATE - LOG<br>4         | SAG_SWELL_DATE - LOG<br>4         | UNSIGNED<br>INT  | 1   |
| 1279 | SAG_SWELL_MONTH -<br>LOG 4        | SAG_SWELL_MONTH -<br>LOG 4        | SAG_SWELL_MONTH -<br>LOG 4        | UNSIGNED<br>INT  | 1   |
| 1280 | SAG_SWELL_YEAR - LOG<br>4         | SAG_SWELL_YEAR - LOG<br>4         | SAG_SWELL_YEAR - LOG<br>4         | UNSIGNED<br>INT  | 1   |
| 1281 | SAG_SWELL_HOUR - LOG<br>4         | SAG_SWELL_HOUR - LOG<br>4         | SAG_SWELL_HOUR - LOG<br>4         | UNSIGNED<br>INT  | 1   |
| 1282 | SAG_SWELL_MINUTE -<br>LOG 4       | SAG_SWELL_MINUTE -<br>LOG 4       | SAG_SWELL_MINUTE -<br>LOG 4       | UNSIGNED<br>INT  | 1   |
| 1283 | SAG_SWELL_SECOND -<br>LOG 4       | SAG_SWELL_SECOND -<br>LOG 4       | SAG_SWELL_SECOND -<br>LOG 4       | UNSIGNED<br>INT  | 1   |
| 1284 | SAG_SWELL_MILLI<br>SECOND - LOG 4 | SAG_SWELL_MILLI<br>SECOND - LOG 4 | SAG_SWELL_MILLI<br>SECOND - LOG 4 | UNSIGNED<br>INT  | 1   |
| 1285 | SAG_SWELL_DURATION -<br>LOG 4     | SAG_SWELL_DURATION -<br>LOG 4     | SAG_SWELL_DURATION -<br>LOG 4     | UNSIGNED<br>INT  | 1   |
| 1286 | SAG_SWELL_INFO - LOG 4            | SAG_SWELL_INFO - LOG 4            | SAG_SWELL_INFO - LOG 4            | UNSIGNED<br>INT  | 1   |
| 1287 | SAG_SWELL_DATA - LOG<br>5         | SAG_SWELL_DATA - LOG<br>5         | SAG_SWELL_DATA - LOG<br>5         | UNSIGNED<br>LONG | 100 |
| 1289 | SAG_SWELL_DATE - LOG<br>5         | SAG_SWELL_DATE - LOG<br>5         | SAG_SWELL_DATE - LOG<br>5         | UNSIGNED<br>INT  | 1   |
| 1290 | SAG_SWELL_MONTH -<br>LOG 5        | SAG_SWELL_MONTH -<br>LOG 5        | SAG_SWELL_MONTH -<br>LOG 5        | UNSIGNED<br>INT  | 1   |
| 1291 | SAG_SWELL_YEAR - LOG<br>5         | SAG_SWELL_YEAR - LOG<br>5         | SAG_SWELL_YEAR - LOG<br>5         | UNSIGNED<br>INT  | 1   |
| 1292 | SAG_SWELL_HOUR - LOG<br>5         | SAG_SWELL_HOUR - LOG<br>5         | SAG_SWELL_HOUR - LOG<br>5         | UNSIGNED<br>INT  | 1   |
| 1293 | SAG_SWELL_MINUTE -<br>LOG 5       | SAG_SWELL_MINUTE -<br>LOG 5       | SAG_SWELL_MINUTE -<br>LOG 5       | UNSIGNED<br>INT  | 1   |
| 1294 | SAG_SWELL_SECOND -<br>LOG 5       | SAG_SWELL_SECOND -<br>LOG 5       | SAG_SWELL_SECOND -<br>LOG 5       | UNSIGNED<br>INT  | 1   |
| 1295 | SAG_SWELL_MILLI<br>SECOND - LOG 5 | SAG_SWELL_MILLI<br>SECOND - LOG 5 | SAG_SWELL_MILLI<br>SECOND - LOG 5 | UNSIGNED<br>INT  | 1   |
| 1296 | SAG_SWELL_DURATION -<br>LOG 5     | SAG_SWELL_DURATION -<br>LOG 5     | SAG_SWELL_DURATION -<br>LOG 5     | UNSIGNED<br>INT  | 1   |
| 1297 | SAG_SWELL_INFO - LOG 5            | SAG_SWELL_INFO - LOG 5            | SAG_SWELL_INFO - LOG 5            | UNSIGNED<br>INT  | 1   |
| 1298 | SAG_SWELL_DATA - LOG<br>6         | SAG_SWELL_DATA - LOG<br>6         | SAG_SWELL_DATA - LOG<br>6         | UNSIGNED<br>LONG | 100 |
| 1300 | SAG_SWELL_DATE - LOG<br>6         | SAG_SWELL_DATE - LOG<br>6         | SAG_SWELL_DATE - LOG<br>6         | UNSIGNED<br>INT  | 1   |
| 1301 | SAG_SWELL_MONTH -<br>LOG 6        | SAG_SWELL_MONTH -<br>LOG 6        | SAG_SWELL_MONTH -<br>LOG 6        | UNSIGNED<br>INT  | 1   |
| 1302 | SAG_SWELL_YEAR - LOG<br>6         | SAG_SWELL_YEAR - LOG<br>6         | SAG_SWELL_YEAR - LOG<br>6         | UNSIGNED<br>INT  | 1   |
| 1303 | SAG_SWELL_HOUR - LOG<br>6         | SAG_SWELL_HOUR - LOG<br>6         | SAG_SWELL_HOUR - LOG<br>6         | UNSIGNED<br>INT  | 1   |
| 1304 | SAG_SWELL_MINUTE -<br>LOG 6       | SAG_SWELL_MINUTE -<br>LOG 6       | SAG_SWELL_MINUTE -<br>LOG 6       | UNSIGNED<br>INT  | 1   |
| 1305 | SAG_SWELL_SECOND -<br>LOG 6       | SAG_SWELL_SECOND -<br>LOG 6       | SAG_SWELL_SECOND -<br>LOG 6       | UNSIGNED<br>INT  | 1   |
| 1306 | SAG_SWELL_MILLI<br>SECOND - LOG 6 | SAG_SWELL_MILLI<br>SECOND - LOG 6 | SAG_SWELL_MILLI<br>SECOND - LOG 6 | UNSIGNED<br>INT  | 1   |

|      |                                |                                |                                |               |     |
|------|--------------------------------|--------------------------------|--------------------------------|---------------|-----|
| 1307 | SAG_SWELL_DURATION - LOG 6     | SAG_SWELL_DURATION - LOG 6     | SAG_SWELL_DURATION - LOG 6     | UNSIGNED INT  | 1   |
| 1308 | SAG_SWELL_INFO - LOG 6         | SAG_SWELL_INFO - LOG 6         | SAG_SWELL_INFO - LOG 6         | UNSIGNED INT  | 1   |
| 1309 | SAG_SWELL_DATA - LOG 7         | SAG_SWELL_DATA - LOG 7         | SAG_SWELL_DATA - LOG 7         | UNSIGNED LONG | 100 |
| 1311 | SAG_SWELL_DATE - LOG 7         | SAG_SWELL_DATE - LOG 7         | SAG_SWELL_DATE - LOG 7         | UNSIGNED INT  | 1   |
| 1312 | SAG_SWELL_MONTH - LOG 7        | SAG_SWELL_MONTH - LOG 7        | SAG_SWELL_MONTH - LOG 7        | UNSIGNED INT  | 1   |
| 1313 | SAG_SWELL_YEAR - LOG 7         | SAG_SWELL_YEAR - LOG 7         | SAG_SWELL_YEAR - LOG 7         | UNSIGNED INT  | 1   |
| 1314 | SAG_SWELL_HOUR - LOG 7         | SAG_SWELL_HOUR - LOG 7         | SAG_SWELL_HOUR - LOG 7         | UNSIGNED INT  | 1   |
| 1315 | SAG_SWELL_MINUTE - LOG 7       | SAG_SWELL_MINUTE - LOG 7       | SAG_SWELL_MINUTE - LOG 7       | UNSIGNED INT  | 1   |
| 1316 | SAG_SWELL_SECOND - LOG 7       | SAG_SWELL_SECOND - LOG 7       | SAG_SWELL_SECOND - LOG 7       | UNSIGNED INT  | 1   |
| 1317 | SAG_SWELL_MILLI SECOND - LOG 7 | SAG_SWELL_MILLI SECOND - LOG 7 | SAG_SWELL_MILLI SECOND - LOG 7 | UNSIGNED INT  | 1   |
| 1318 | SAG_SWELL_DURATION - LOG 7     | SAG_SWELL_DURATION - LOG 7     | SAG_SWELL_DURATION - LOG 7     | UNSIGNED INT  | 1   |
| 1319 | SAG_SWELL_INFO - LOG 7         | SAG_SWELL_INFO - LOG 7         | SAG_SWELL_INFO - LOG 7         | UNSIGNED INT  | 1   |
| 1320 | SAG_SWELL_DATA - LOG 8         | SAG_SWELL_DATA - LOG 8         | SAG_SWELL_DATA - LOG 8         | UNSIGNED LONG | 100 |
| 1322 | SAG_SWELL_DATE - LOG 8         | SAG_SWELL_DATE - LOG 8         | SAG_SWELL_DATE - LOG 8         | UNSIGNED INT  | 1   |
| 1323 | SAG_SWELL_MONTH - LOG 8        | SAG_SWELL_MONTH - LOG 8        | SAG_SWELL_MONTH - LOG 8        | UNSIGNED INT  | 1   |
| 1324 | SAG_SWELL_YEAR - LOG 8         | SAG_SWELL_YEAR - LOG 8         | SAG_SWELL_YEAR - LOG 8         | UNSIGNED INT  | 1   |
| 1325 | SAG_SWELL_HOUR - LOG 8         | SAG_SWELL_HOUR - LOG 8         | SAG_SWELL_HOUR - LOG 8         | UNSIGNED INT  | 1   |
| 1326 | SAG_SWELL_MINUTE - LOG 8       | SAG_SWELL_MINUTE - LOG 8       | SAG_SWELL_MINUTE - LOG 8       | UNSIGNED INT  | 1   |
| 1327 | SAG_SWELL_SECOND - LOG 8       | SAG_SWELL_SECOND - LOG 8       | SAG_SWELL_SECOND - LOG 8       | UNSIGNED INT  | 1   |
| 1328 | SAG_SWELL_MILLI SECOND - LOG 8 | SAG_SWELL_MILLI SECOND - LOG 8 | SAG_SWELL_MILLI SECOND - LOG 8 | UNSIGNED INT  | 1   |
| 1329 | SAG_SWELL_DURATION - LOG 8     | SAG_SWELL_DURATION - LOG 8     | SAG_SWELL_DURATION - LOG 8     | UNSIGNED INT  | 1   |
| 1330 | SAG_SWELL_INFO - LOG 8         | SAG_SWELL_INFO - LOG 8         | SAG_SWELL_INFO - LOG 8         | UNSIGNED INT  | 1   |
| 1331 | SAG_SWELL_DATA - LOG 9         | SAG_SWELL_DATA - LOG 9         | SAG_SWELL_DATA - LOG 9         | UNSIGNED LONG | 100 |
| 1333 | SAG_SWELL_DATE - LOG 9         | SAG_SWELL_DATE - LOG 9         | SAG_SWELL_DATE - LOG 9         | UNSIGNED INT  | 1   |
| 1334 | SAG_SWELL_MONTH - LOG 9        | SAG_SWELL_MONTH - LOG 9        | SAG_SWELL_MONTH - LOG 9        | UNSIGNED INT  | 1   |
| 1335 | SAG_SWELL_YEAR - LOG 9         | SAG_SWELL_YEAR - LOG 9         | SAG_SWELL_YEAR - LOG 9         | UNSIGNED INT  | 1   |
| 1336 | SAG_SWELL_HOUR - LOG 9         | SAG_SWELL_HOUR - LOG 9         | SAG_SWELL_HOUR - LOG 9         | UNSIGNED INT  | 1   |
| 1337 | SAG_SWELL_MINUTE - LOG 9       | SAG_SWELL_MINUTE - LOG 9       | SAG_SWELL_MINUTE - LOG 9       | UNSIGNED INT  | 1   |

|      |                                 |                                 |                                 |               |     |
|------|---------------------------------|---------------------------------|---------------------------------|---------------|-----|
| 1338 | SAG_SWELL_SECOND - LOG 9        | SAG_SWELL_SECOND - LOG 9        | SAG_SWELL_SECOND - LOG 9        | UNSIGNED INT  | 1   |
| 1339 | SAG_SWELL_MILLI SECOND - LOG 9  | SAG_SWELL_MILLI SECOND - LOG 9  | SAG_SWELL_MILLI SECOND - LOG 9  | UNSIGNED INT  | 1   |
| 1340 | SAG_SWELL_DURATION - LOG 9      | SAG_SWELL_DURATION - LOG 9      | SAG_SWELL_DURATION - LOG 9      | UNSIGNED INT  | 1   |
| 1341 | SAG_SWELL_INFO - LOG 9          | SAG_SWELL_INFO - LOG 9          | SAG_SWELL_INFO - LOG 9          | UNSIGNED INT  | 1   |
| 1342 | SAG_SWELL_DATA - LOG 10         | SAG_SWELL_DATA - LOG 10         | SAG_SWELL_DATA - LOG 10         | UNSIGNED LONG | 100 |
| 1344 | SAG_SWELL_DATE - LOG 10         | SAG_SWELL_DATE - LOG 10         | SAG_SWELL_DATE - LOG 10         | UNSIGNED INT  | 1   |
| 1345 | SAG_SWELL_MONTH - LOG 10        | SAG_SWELL_MONTH - LOG 10        | SAG_SWELL_MONTH - LOG 10        | UNSIGNED INT  | 1   |
| 1346 | SAG_SWELL_YEAR - LOG 10         | SAG_SWELL_YEAR - LOG 10         | SAG_SWELL_YEAR - LOG 10         | UNSIGNED INT  | 1   |
| 1347 | SAG_SWELL_HOUR - LOG 10         | SAG_SWELL_HOUR - LOG 10         | SAG_SWELL_HOUR - LOG 10         | UNSIGNED INT  | 1   |
| 1348 | SAG_SWELL_MINUTE - LOG 10       | SAG_SWELL_MINUTE - LOG 10       | SAG_SWELL_MINUTE - LOG 10       | UNSIGNED INT  | 1   |
| 1349 | SAG_SWELL_SECOND - LOG 10       | SAG_SWELL_SECOND - LOG 10       | SAG_SWELL_SECOND - LOG 10       | UNSIGNED INT  | 1   |
| 1350 | SAG_SWELL_MILLI SECOND - LOG 10 | SAG_SWELL_MILLI SECOND - LOG 10 | SAG_SWELL_MILLI SECOND - LOG 10 | UNSIGNED INT  | 1   |
| 1351 | SAG_SWELL_DURATION - LOG 10     | SAG_SWELL_DURATION - LOG 10     | SAG_SWELL_DURATION - LOG 10     | UNSIGNED INT  | 1   |
| 1352 | SAG_SWELL_INFO - LOG 10         | SAG_SWELL_INFO - LOG 10         | SAG_SWELL_INFO - LOG 10         | UNSIGNED INT  | 1   |
| 1353 | SAG_SWELL_DATA - LOG 11         | SAG_SWELL_DATA - LOG 11         | SAG_SWELL_DATA - LOG 11         | UNSIGNED LONG | 100 |
| 1355 | SAG_SWELL_DATE - LOG 11         | SAG_SWELL_DATE - LOG 11         | SAG_SWELL_DATE - LOG 11         | UNSIGNED INT  | 1   |
| 1356 | SAG_SWELL_MONTH - LOG 11        | SAG_SWELL_MONTH - LOG 11        | SAG_SWELL_MONTH - LOG 11        | UNSIGNED INT  | 1   |
| 1357 | SAG_SWELL_YEAR - LOG 11         | SAG_SWELL_YEAR - LOG 11         | SAG_SWELL_YEAR - LOG 11         | UNSIGNED INT  | 1   |
| 1358 | SAG_SWELL_HOUR - LOG 11         | SAG_SWELL_HOUR - LOG 11         | SAG_SWELL_HOUR - LOG 11         | UNSIGNED INT  | 1   |
| 1359 | SAG_SWELL_MINUTE - LOG 11       | SAG_SWELL_MINUTE - LOG 11       | SAG_SWELL_MINUTE - LOG 11       | UNSIGNED INT  | 1   |
| 1360 | SAG_SWELL_SECOND - LOG 11       | SAG_SWELL_SECOND - LOG 11       | SAG_SWELL_SECOND - LOG 11       | UNSIGNED INT  | 1   |
| 1361 | SAG_SWELL_MILLI SECOND - LOG 11 | SAG_SWELL_MILLI SECOND - LOG 11 | SAG_SWELL_MILLI SECOND - LOG 11 | UNSIGNED INT  | 1   |
| 1362 | SAG_SWELL_DURATION - LOG 11     | SAG_SWELL_DURATION - LOG 11     | SAG_SWELL_DURATION - LOG 11     | UNSIGNED INT  | 1   |
| 1363 | SAG_SWELL_INFO - LOG 11         | SAG_SWELL_INFO - LOG 11         | SAG_SWELL_INFO - LOG 11         | UNSIGNED INT  | 1   |
| 1364 | SAG_SWELL_DATA - LOG 12         | SAG_SWELL_DATA - LOG 12         | SAG_SWELL_DATA - LOG 12         | UNSIGNED LONG | 100 |
| 1366 | SAG_SWELL_DATE - LOG 12         | SAG_SWELL_DATE - LOG 12         | SAG_SWELL_DATE - LOG 12         | UNSIGNED INT  | 1   |
| 1367 | SAG_SWELL_MONTH - LOG 12        | SAG_SWELL_MONTH - LOG 12        | SAG_SWELL_MONTH - LOG 12        | UNSIGNED INT  | 1   |
| 1368 | SAG_SWELL_YEAR - LOG 12         | SAG_SWELL_YEAR - LOG 12         | SAG_SWELL_YEAR - LOG 12         | UNSIGNED INT  | 1   |

|      |                                    |                                    |                                    |                  |     |
|------|------------------------------------|------------------------------------|------------------------------------|------------------|-----|
| 1369 | SAG_SWELL_HOUR - LOG<br>12         | SAG_SWELL_HOUR - LOG<br>12         | SAG_SWELL_HOUR - LOG<br>12         | UNSIGNED<br>INT  | 1   |
| 1370 | SAG_SWELL_MINUTE - LOG<br>12       | SAG_SWELL_MINUTE - LOG<br>12       | SAG_SWELL_MINUTE - LOG<br>12       | UNSIGNED<br>INT  | 1   |
| 1371 | SAG_SWELL_SECOND - LOG<br>12       | SAG_SWELL_SECOND - LOG<br>12       | SAG_SWELL_SECOND - LOG<br>12       | UNSIGNED<br>INT  | 1   |
| 1372 | SAG_SWELL_MILLI<br>SECOND - LOG 12 | SAG_SWELL_MILLI<br>SECOND - LOG 12 | SAG_SWELL_MILLI<br>SECOND - LOG 12 | UNSIGNED<br>INT  | 1   |
| 1373 | SAG_SWELL_DURATION - LOG<br>12     | SAG_SWELL_DURATION - LOG<br>12     | SAG_SWELL_DURATION - LOG<br>12     | UNSIGNED<br>INT  | 1   |
| 1374 | SAG_SWELL_INFO - LOG<br>12         | SAG_SWELL_INFO - LOG<br>12         | SAG_SWELL_INFO - LOG<br>12         | UNSIGNED<br>INT  | 1   |
| 1375 | SAG_SWELL_DATA - LOG<br>13         | SAG_SWELL_DATA - LOG<br>13         | SAG_SWELL_DATA - LOG<br>13         | UNSIGNED<br>LONG | 100 |
| 1377 | SAG_SWELL_DATE - LOG<br>13         | SAG_SWELL_DATE - LOG<br>13         | SAG_SWELL_DATE - LOG<br>13         | UNSIGNED<br>INT  | 1   |
| 1378 | SAG_SWELL_MONTH - LOG<br>13        | SAG_SWELL_MONTH - LOG<br>13        | SAG_SWELL_MONTH - LOG<br>13        | UNSIGNED<br>INT  | 1   |
| 1379 | SAG_SWELL_YEAR - LOG<br>13         | SAG_SWELL_YEAR - LOG<br>13         | SAG_SWELL_YEAR - LOG<br>13         | UNSIGNED<br>INT  | 1   |
| 1380 | SAG_SWELL_HOUR - LOG<br>13         | SAG_SWELL_HOUR - LOG<br>13         | SAG_SWELL_HOUR - LOG<br>13         | UNSIGNED<br>INT  | 1   |
| 1381 | SAG_SWELL_MINUTE - LOG<br>13       | SAG_SWELL_MINUTE - LOG<br>13       | SAG_SWELL_MINUTE - LOG<br>13       | UNSIGNED<br>INT  | 1   |
| 1382 | SAG_SWELL_SECOND - LOG<br>13       | SAG_SWELL_SECOND - LOG<br>13       | SAG_SWELL_SECOND - LOG<br>13       | UNSIGNED<br>INT  | 1   |
| 1383 | SAG_SWELL_MILLI<br>SECOND - LOG 13 | SAG_SWELL_MILLI<br>SECOND - LOG 13 | SAG_SWELL_MILLI<br>SECOND - LOG 13 | UNSIGNED<br>INT  | 1   |
| 1384 | SAG_SWELL_DURATION - LOG<br>13     | SAG_SWELL_DURATION - LOG<br>13     | SAG_SWELL_DURATION - LOG<br>13     | UNSIGNED<br>INT  | 1   |
| 1385 | SAG_SWELL_INFO - LOG<br>13         | SAG_SWELL_INFO - LOG<br>13         | SAG_SWELL_INFO - LOG<br>13         | UNSIGNED<br>INT  | 1   |
| 1386 | SAG_SWELL_DATA - LOG<br>14         | SAG_SWELL_DATA - LOG<br>14         | SAG_SWELL_DATA - LOG<br>14         | UNSIGNED<br>LONG | 100 |
| 1388 | SAG_SWELL_DATE - LOG<br>14         | SAG_SWELL_DATE - LOG<br>14         | SAG_SWELL_DATE - LOG<br>14         | UNSIGNED<br>INT  | 1   |
| 1389 | SAG_SWELL_MONTH - LOG<br>14        | SAG_SWELL_MONTH - LOG<br>14        | SAG_SWELL_MONTH - LOG<br>14        | UNSIGNED<br>INT  | 1   |
| 1390 | SAG_SWELL_YEAR - LOG<br>14         | SAG_SWELL_YEAR - LOG<br>14         | SAG_SWELL_YEAR - LOG<br>14         | UNSIGNED<br>INT  | 1   |
| 1391 | SAG_SWELL_HOUR - LOG<br>14         | SAG_SWELL_HOUR - LOG<br>14         | SAG_SWELL_HOUR - LOG<br>14         | UNSIGNED<br>INT  | 1   |
| 1392 | SAG_SWELL_MINUTE - LOG<br>14       | SAG_SWELL_MINUTE - LOG<br>14       | SAG_SWELL_MINUTE - LOG<br>14       | UNSIGNED<br>INT  | 1   |
| 1393 | SAG_SWELL_SECOND - LOG<br>14       | SAG_SWELL_SECOND - LOG<br>14       | SAG_SWELL_SECOND - LOG<br>14       | UNSIGNED<br>INT  | 1   |
| 1394 | SAG_SWELL_MILLI<br>SECOND - LOG 14 | SAG_SWELL_MILLI<br>SECOND - LOG 14 | SAG_SWELL_MILLI<br>SECOND - LOG 14 | UNSIGNED<br>INT  | 1   |
| 1395 | SAG_SWELL_DURATION - LOG<br>14     | SAG_SWELL_DURATION - LOG<br>14     | SAG_SWELL_DURATION - LOG<br>14     | UNSIGNED<br>INT  | 1   |
| 1396 | SAG_SWELL_INFO - LOG<br>14         | SAG_SWELL_INFO - LOG<br>14         | SAG_SWELL_INFO - LOG<br>14         | UNSIGNED<br>INT  | 1   |
| 1397 | SAG_SWELL_DATA - LOG<br>15         | SAG_SWELL_DATA - LOG<br>15         | SAG_SWELL_DATA - LOG<br>15         | UNSIGNED<br>LONG | 100 |
| 1399 | SAG_SWELL_DATE - LOG<br>15         | SAG_SWELL_DATE - LOG<br>15         | SAG_SWELL_DATE - LOG<br>15         | UNSIGNED<br>INT  | 1   |

|      |                                 |                                 |                                 |               |     |
|------|---------------------------------|---------------------------------|---------------------------------|---------------|-----|
| 1400 | SAG_SWELL_MONTH - LOG 15        | SAG_SWELL_MONTH - LOG 15        | SAG_SWELL_MONTH - LOG 15        | UNSIGNED INT  | 1   |
| 1401 | SAG_SWELL_YEAR - LOG 15         | SAG_SWELL_YEAR - LOG 15         | SAG_SWELL_YEAR - LOG 15         | UNSIGNED INT  | 1   |
| 1402 | SAG_SWELL_HOUR - LOG 15         | SAG_SWELL_HOUR - LOG 15         | SAG_SWELL_HOUR - LOG 15         | UNSIGNED INT  | 1   |
| 1403 | SAG_SWELL_MINUTE - LOG 15       | SAG_SWELL_MINUTE - LOG 15       | SAG_SWELL_MINUTE - LOG 15       | UNSIGNED INT  | 1   |
| 1404 | SAG_SWELL_SECOND - LOG 15       | SAG_SWELL_SECOND - LOG 15       | SAG_SWELL_SECOND - LOG 15       | UNSIGNED INT  | 1   |
| 1405 | SAG_SWELL_MILLI SECOND - LOG 15 | SAG_SWELL_MILLI SECOND - LOG 15 | SAG_SWELL_MILLI SECOND - LOG 15 | UNSIGNED INT  | 1   |
| 1406 | SAG_SWELL_DURATION - LOG 15     | SAG_SWELL_DURATION - LOG 15     | SAG_SWELL_DURATION - LOG 15     | UNSIGNED INT  | 1   |
| 1407 | SAG_SWELL_INFO - LOG 15         | SAG_SWELL_INFO - LOG 15         | SAG_SWELL_INFO - LOG 15         | UNSIGNED INT  | 1   |
| 1408 | SAG_SWELL_DATA - LOG 16         | SAG_SWELL_DATA - LOG 16         | SAG_SWELL_DATA - LOG 16         | UNSIGNED LONG | 100 |
| 1410 | SAG_SWELL_DATE - LOG 16         | SAG_SWELL_DATE - LOG 16         | SAG_SWELL_DATE - LOG 16         | UNSIGNED INT  | 1   |
| 1411 | SAG_SWELL_MONTH - LOG 16        | SAG_SWELL_MONTH - LOG 16        | SAG_SWELL_MONTH - LOG 16        | UNSIGNED INT  | 1   |
| 1412 | SAG_SWELL_YEAR - LOG 16         | SAG_SWELL_YEAR - LOG 16         | SAG_SWELL_YEAR - LOG 16         | UNSIGNED INT  | 1   |
| 1413 | SAG_SWELL_HOUR - LOG 16         | SAG_SWELL_HOUR - LOG 16         | SAG_SWELL_HOUR - LOG 16         | UNSIGNED INT  | 1   |
| 1414 | SAG_SWELL_MINUTE - LOG 16       | SAG_SWELL_MINUTE - LOG 16       | SAG_SWELL_MINUTE - LOG 16       | UNSIGNED INT  | 1   |
| 1415 | SAG_SWELL_SECOND - LOG 16       | SAG_SWELL_SECOND - LOG 16       | SAG_SWELL_SECOND - LOG 16       | UNSIGNED INT  | 1   |
| 1416 | SAG_SWELL_MILLI SECOND - LOG 16 | SAG_SWELL_MILLI SECOND - LOG 16 | SAG_SWELL_MILLI SECOND - LOG 16 | UNSIGNED INT  | 1   |
| 1417 | SAG_SWELL_DURATION - LOG 16     | SAG_SWELL_DURATION - LOG 16     | SAG_SWELL_DURATION - LOG 16     | UNSIGNED INT  | 1   |
| 1418 | SAG_SWELL_INFO - LOG 16         | SAG_SWELL_INFO - LOG 16         | SAG_SWELL_INFO - LOG 16         | UNSIGNED INT  | 1   |
| 1419 | SAG_SWELL_DATA - LOG 17         | SAG_SWELL_DATA - LOG 17         | SAG_SWELL_DATA - LOG 17         | UNSIGNED LONG | 100 |
| 1421 | SAG_SWELL_DATE - LOG 17         | SAG_SWELL_DATE - LOG 17         | SAG_SWELL_DATE - LOG 17         | UNSIGNED INT  | 1   |
| 1422 | SAG_SWELL_MONTH - LOG 17        | SAG_SWELL_MONTH - LOG 17        | SAG_SWELL_MONTH - LOG 17        | UNSIGNED INT  | 1   |
| 1423 | SAG_SWELL_YEAR - LOG 17         | SAG_SWELL_YEAR - LOG 17         | SAG_SWELL_YEAR - LOG 17         | UNSIGNED INT  | 1   |
| 1424 | SAG_SWELL_HOUR - LOG 17         | SAG_SWELL_HOUR - LOG 17         | SAG_SWELL_HOUR - LOG 17         | UNSIGNED INT  | 1   |
| 1425 | SAG_SWELL_MINUTE - LOG 17       | SAG_SWELL_MINUTE - LOG 17       | SAG_SWELL_MINUTE - LOG 17       | UNSIGNED INT  | 1   |
| 1426 | SAG_SWELL_SECOND - LOG 17       | SAG_SWELL_SECOND - LOG 17       | SAG_SWELL_SECOND - LOG 17       | UNSIGNED INT  | 1   |
| 1427 | SAG_SWELL_MILLI SECOND - LOG 17 | SAG_SWELL_MILLI SECOND - LOG 17 | SAG_SWELL_MILLI SECOND - LOG 17 | UNSIGNED INT  | 1   |
| 1428 | SAG_SWELL_DURATION - LOG 17     | SAG_SWELL_DURATION - LOG 17     | SAG_SWELL_DURATION - LOG 17     | UNSIGNED INT  | 1   |
| 1429 | SAG_SWELL_INFO - LOG 17         | SAG_SWELL_INFO - LOG 17         | SAG_SWELL_INFO - LOG 17         | UNSIGNED INT  | 1   |

|      |                                    |                                    |                                    |                  |     |
|------|------------------------------------|------------------------------------|------------------------------------|------------------|-----|
| 1430 | SAG_SWELL_DATA - LOG<br>18         | SAG_SWELL_DATA - LOG<br>18         | SAG_SWELL_DATA - LOG<br>18         | UNSIGNED<br>LONG | 100 |
| 1432 | SAG_SWELL_DATE - LOG<br>18         | SAG_SWELL_DATE - LOG<br>18         | SAG_SWELL_DATE - LOG<br>18         | UNSIGNED<br>INT  | 1   |
| 1433 | SAG_SWELL_MONTH -<br>LOG 18        | SAG_SWELL_MONTH -<br>LOG 18        | SAG_SWELL_MONTH -<br>LOG 18        | UNSIGNED<br>INT  | 1   |
| 1434 | SAG_SWELL_YEAR - LOG<br>18         | SAG_SWELL_YEAR - LOG<br>18         | SAG_SWELL_YEAR - LOG<br>18         | UNSIGNED<br>INT  | 1   |
| 1435 | SAG_SWELL_HOUR - LOG<br>18         | SAG_SWELL_HOUR - LOG<br>18         | SAG_SWELL_HOUR - LOG<br>18         | UNSIGNED<br>INT  | 1   |
| 1436 | SAG_SWELL_MINUTE -<br>LOG 18       | SAG_SWELL_MINUTE -<br>LOG 18       | SAG_SWELL_MINUTE -<br>LOG 18       | UNSIGNED<br>INT  | 1   |
| 1437 | SAG_SWELL_SECOND -<br>LOG 18       | SAG_SWELL_SECOND -<br>LOG 18       | SAG_SWELL_SECOND -<br>LOG 18       | UNSIGNED<br>INT  | 1   |
| 1438 | SAG_SWELL_MILLI<br>SECOND - LOG 18 | SAG_SWELL_MILLI<br>SECOND - LOG 18 | SAG_SWELL_MILLI<br>SECOND - LOG 18 | UNSIGNED<br>INT  | 1   |
| 1439 | SAG_SWELL_DURATION -<br>LOG 18     | SAG_SWELL_DURATION -<br>LOG 18     | SAG_SWELL_DURATION -<br>LOG 18     | UNSIGNED<br>INT  | 1   |
| 1440 | SAG_SWELL_INFO - LOG<br>18         | SAG_SWELL_INFO - LOG<br>18         | SAG_SWELL_INFO - LOG<br>18         | UNSIGNED<br>INT  | 1   |
| 1441 | SAG_SWELL_DATA - LOG<br>19         | SAG_SWELL_DATA - LOG<br>19         | SAG_SWELL_DATA - LOG<br>19         | UNSIGNED<br>LONG | 100 |
| 1443 | SAG_SWELL_DATE - LOG<br>19         | SAG_SWELL_DATE - LOG<br>19         | SAG_SWELL_DATE - LOG<br>19         | UNSIGNED<br>INT  | 1   |
| 1444 | SAG_SWELL_MONTH -<br>LOG 19        | SAG_SWELL_MONTH -<br>LOG 19        | SAG_SWELL_MONTH -<br>LOG 19        | UNSIGNED<br>INT  | 1   |
| 1445 | SAG_SWELL_YEAR - LOG<br>19         | SAG_SWELL_YEAR - LOG<br>19         | SAG_SWELL_YEAR - LOG<br>19         | UNSIGNED<br>INT  | 1   |
| 1446 | SAG_SWELL_HOUR - LOG<br>19         | SAG_SWELL_HOUR - LOG<br>19         | SAG_SWELL_HOUR - LOG<br>19         | UNSIGNED<br>INT  | 1   |
| 1447 | SAG_SWELL_MINUTE -<br>LOG 19       | SAG_SWELL_MINUTE -<br>LOG 19       | SAG_SWELL_MINUTE -<br>LOG 19       | UNSIGNED<br>INT  | 1   |
| 1448 | SAG_SWELL_SECOND -<br>LOG 19       | SAG_SWELL_SECOND -<br>LOG 19       | SAG_SWELL_SECOND -<br>LOG 19       | UNSIGNED<br>INT  | 1   |
| 1449 | SAG_SWELL_MILLI<br>SECOND - LOG 19 | SAG_SWELL_MILLI<br>SECOND - LOG 19 | SAG_SWELL_MILLI<br>SECOND - LOG 19 | UNSIGNED<br>INT  | 1   |
| 1450 | SAG_SWELL_DURATION -<br>LOG 19     | SAG_SWELL_DURATION -<br>LOG 19     | SAG_SWELL_DURATION -<br>LOG 19     | UNSIGNED<br>INT  | 1   |
| 1451 | SAG_SWELL_INFO - LOG<br>19         | SAG_SWELL_INFO - LOG<br>19         | SAG_SWELL_INFO - LOG<br>19         | UNSIGNED<br>INT  | 1   |
| 1452 | SAG_SWELL_DATA - LOG<br>20         | SAG_SWELL_DATA - LOG<br>20         | SAG_SWELL_DATA - LOG<br>20         | UNSIGNED<br>LONG | 100 |
| 1454 | SAG_SWELL_DATE - LOG<br>20         | SAG_SWELL_DATE - LOG<br>20         | SAG_SWELL_DATE - LOG<br>20         | UNSIGNED<br>INT  | 1   |
| 1455 | SAG_SWELL_MONTH -<br>LOG 20        | SAG_SWELL_MONTH -<br>LOG 20        | SAG_SWELL_MONTH -<br>LOG 20        | UNSIGNED<br>INT  | 1   |
| 1456 | SAG_SWELL_YEAR - LOG<br>20         | SAG_SWELL_YEAR - LOG<br>20         | SAG_SWELL_YEAR - LOG<br>20         | UNSIGNED<br>INT  | 1   |
| 1457 | SAG_SWELL_HOUR - LOG<br>20         | SAG_SWELL_HOUR - LOG<br>20         | SAG_SWELL_HOUR - LOG<br>20         | UNSIGNED<br>INT  | 1   |
| 1458 | SAG_SWELL_MINUTE -<br>LOG 20       | SAG_SWELL_MINUTE -<br>LOG 20       | SAG_SWELL_MINUTE -<br>LOG 20       | UNSIGNED<br>INT  | 1   |
| 1459 | SAG_SWELL_SECOND -<br>LOG 20       | SAG_SWELL_SECOND -<br>LOG 20       | SAG_SWELL_SECOND -<br>LOG 20       | UNSIGNED<br>INT  | 1   |
| 1460 | SAG_SWELL_MILLI<br>SECOND - LOG 20 | SAG_SWELL_MILLI<br>SECOND - LOG 20 | SAG_SWELL_MILLI<br>SECOND - LOG 20 | UNSIGNED<br>INT  | 1   |

|      |                                 |                                 |                                 |               |     |
|------|---------------------------------|---------------------------------|---------------------------------|---------------|-----|
| 1461 | SAG_SWELL_DURATION - LOG 20     | SAG_SWELL_DURATION - LOG 20     | SAG_SWELL_DURATION - LOG 20     | UNSIGNED INT  | 1   |
| 1462 | SAG_SWELL_INFO - LOG 20         | SAG_SWELL_INFO - LOG 20         | SAG_SWELL_INFO - LOG 20         | UNSIGNED INT  | 1   |
| 1463 | SAG_SWELL_DATA - LOG 21         | SAG_SWELL_DATA - LOG 21         | SAG_SWELL_DATA - LOG 21         | UNSIGNED LONG | 100 |
| 1465 | SAG_SWELL_DATE - LOG 21         | SAG_SWELL_DATE - LOG 21         | SAG_SWELL_DATE - LOG 21         | UNSIGNED INT  | 1   |
| 1466 | SAG_SWELL_MONTH - LOG 21        | SAG_SWELL_MONTH - LOG 21        | SAG_SWELL_MONTH - LOG 21        | UNSIGNED INT  | 1   |
| 1467 | SAG_SWELL_YEAR - LOG 21         | SAG_SWELL_YEAR - LOG 21         | SAG_SWELL_YEAR - LOG 21         | UNSIGNED INT  | 1   |
| 1468 | SAG_SWELL_HOUR - LOG 21         | SAG_SWELL_HOUR - LOG 21         | SAG_SWELL_HOUR - LOG 21         | UNSIGNED INT  | 1   |
| 1469 | SAG_SWELL_MINUTE - LOG 21       | SAG_SWELL_MINUTE - LOG 21       | SAG_SWELL_MINUTE - LOG 21       | UNSIGNED INT  | 1   |
| 1470 | SAG_SWELL_SECOND - LOG 21       | SAG_SWELL_SECOND - LOG 21       | SAG_SWELL_SECOND - LOG 21       | UNSIGNED INT  | 1   |
| 1471 | SAG_SWELL_MILLI SECOND - LOG 21 | SAG_SWELL_MILLI SECOND - LOG 21 | SAG_SWELL_MILLI SECOND - LOG 21 | UNSIGNED INT  | 1   |
| 1472 | SAG_SWELL_DURATION - LOG 21     | SAG_SWELL_DURATION - LOG 21     | SAG_SWELL_DURATION - LOG 21     | UNSIGNED INT  | 1   |
| 1473 | SAG_SWELL_INFO - LOG 21         | SAG_SWELL_INFO - LOG 21         | SAG_SWELL_INFO - LOG 21         | UNSIGNED INT  | 1   |
| 1474 | SAG_SWELL_DATA - LOG 22         | SAG_SWELL_DATA - LOG 22         | SAG_SWELL_DATA - LOG 22         | UNSIGNED LONG | 100 |
| 1476 | SAG_SWELL_DATE - LOG 22         | SAG_SWELL_DATE - LOG 22         | SAG_SWELL_DATE - LOG 22         | UNSIGNED INT  | 1   |
| 1477 | SAG_SWELL_MONTH - LOG 22        | SAG_SWELL_MONTH - LOG 22        | SAG_SWELL_MONTH - LOG 22        | UNSIGNED INT  | 1   |
| 1478 | SAG_SWELL_YEAR - LOG 22         | SAG_SWELL_YEAR - LOG 22         | SAG_SWELL_YEAR - LOG 22         | UNSIGNED INT  | 1   |
| 1479 | SAG_SWELL_HOUR - LOG 22         | SAG_SWELL_HOUR - LOG 22         | SAG_SWELL_HOUR - LOG 22         | UNSIGNED INT  | 1   |
| 1480 | SAG_SWELL_MINUTE - LOG 22       | SAG_SWELL_MINUTE - LOG 22       | SAG_SWELL_MINUTE - LOG 22       | UNSIGNED INT  | 1   |
| 1481 | SAG_SWELL_SECOND - LOG 22       | SAG_SWELL_SECOND - LOG 22       | SAG_SWELL_SECOND - LOG 22       | UNSIGNED INT  | 1   |
| 1482 | SAG_SWELL_MILLI SECOND - LOG 22 | SAG_SWELL_MILLI SECOND - LOG 22 | SAG_SWELL_MILLI SECOND - LOG 22 | UNSIGNED INT  | 1   |
| 1483 | SAG_SWELL_DURATION - LOG 22     | SAG_SWELL_DURATION - LOG 22     | SAG_SWELL_DURATION - LOG 22     | UNSIGNED INT  | 1   |
| 1484 | SAG_SWELL_INFO - LOG 22         | SAG_SWELL_INFO - LOG 22         | SAG_SWELL_INFO - LOG 22         | UNSIGNED INT  | 1   |
| 1485 | SAG_SWELL_DATA - LOG 23         | SAG_SWELL_DATA - LOG 23         | SAG_SWELL_DATA - LOG 23         | UNSIGNED LONG | 100 |
| 1487 | SAG_SWELL_DATE - LOG 23         | SAG_SWELL_DATE - LOG 23         | SAG_SWELL_DATE - LOG 23         | UNSIGNED INT  | 1   |
| 1488 | SAG_SWELL_MONTH - LOG 23        | SAG_SWELL_MONTH - LOG 23        | SAG_SWELL_MONTH - LOG 23        | UNSIGNED INT  | 1   |
| 1489 | SAG_SWELL_YEAR - LOG 23         | SAG_SWELL_YEAR - LOG 23         | SAG_SWELL_YEAR - LOG 23         | UNSIGNED INT  | 1   |
| 1490 | SAG_SWELL_HOUR - LOG 23         | SAG_SWELL_HOUR - LOG 23         | SAG_SWELL_HOUR - LOG 23         | UNSIGNED INT  | 1   |
| 1491 | SAG_SWELL_MINUTE - LOG 23       | SAG_SWELL_MINUTE - LOG 23       | SAG_SWELL_MINUTE - LOG 23       | UNSIGNED INT  | 1   |



|      |                                 |                                 |                                 |               |     |
|------|---------------------------------|---------------------------------|---------------------------------|---------------|-----|
| 1492 | SAG_SWELL_SECOND - LOG 23       | SAG_SWELL_SECOND - LOG 23       | SAG_SWELL_SECOND - LOG 23       | UNSIGNED INT  | 1   |
| 1493 | SAG_SWELL_MILLI SECOND - LOG 23 | SAG_SWELL_MILLI SECOND - LOG 23 | SAG_SWELL_MILLI SECOND - LOG 23 | UNSIGNED INT  | 1   |
| 1494 | SAG_SWELL_DURATION - LOG 23     | SAG_SWELL_DURATION - LOG 23     | SAG_SWELL_DURATION - LOG 23     | UNSIGNED INT  | 1   |
| 1495 | SAG_SWELL_INFO - LOG 23         | SAG_SWELL_INFO - LOG 23         | SAG_SWELL_INFO - LOG 23         | UNSIGNED INT  | 1   |
| 1496 | SAG_SWELL_DATA - LOG 24         | SAG_SWELL_DATA - LOG 24         | SAG_SWELL_DATA - LOG 24         | UNSIGNED LONG | 100 |
| 1498 | SAG_SWELL_DATE - LOG 24         | SAG_SWELL_DATE - LOG 24         | SAG_SWELL_DATE - LOG 24         | UNSIGNED INT  | 1   |
| 1499 | SAG_SWELL_MONTH - LOG 24        | SAG_SWELL_MONTH - LOG 24        | SAG_SWELL_MONTH - LOG 24        | UNSIGNED INT  | 1   |
| 1500 | SAG_SWELL_YEAR - LOG 24         | SAG_SWELL_YEAR - LOG 24         | SAG_SWELL_YEAR - LOG 24         | UNSIGNED INT  | 1   |
| 1501 | SAG_SWELL_HOUR - LOG 24         | SAG_SWELL_HOUR - LOG 24         | SAG_SWELL_HOUR - LOG 24         | UNSIGNED INT  | 1   |
| 1502 | SAG_SWELL_MINUTE - LOG 24       | SAG_SWELL_MINUTE - LOG 24       | SAG_SWELL_MINUTE - LOG 24       | UNSIGNED INT  | 1   |
| 1503 | SAG_SWELL_SECOND - LOG 24       | SAG_SWELL_SECOND - LOG 24       | SAG_SWELL_SECOND - LOG 24       | UNSIGNED INT  | 1   |
| 1504 | SAG_SWELL_MILLI SECOND - LOG 24 | SAG_SWELL_MILLI SECOND - LOG 24 | SAG_SWELL_MILLI SECOND - LOG 24 | UNSIGNED INT  | 1   |
| 1505 | SAG_SWELL_DURATION - LOG 24     | SAG_SWELL_DURATION - LOG 24     | SAG_SWELL_DURATION - LOG 24     | UNSIGNED INT  | 1   |
| 1506 | SAG_SWELL_INFO - LOG 24         | SAG_SWELL_INFO - LOG 24         | SAG_SWELL_INFO - LOG 24         | UNSIGNED INT  | 1   |
| 1507 | SAG_SWELL_DATA - LOG 25         | SAG_SWELL_DATA - LOG 25         | SAG_SWELL_DATA - LOG 25         | UNSIGNED LONG | 100 |
| 1509 | SAG_SWELL_DATE - LOG 25         | SAG_SWELL_DATE - LOG 25         | SAG_SWELL_DATE - LOG 25         | UNSIGNED INT  | 1   |
| 1510 | SAG_SWELL_MONTH - LOG 25        | SAG_SWELL_MONTH - LOG 25        | SAG_SWELL_MONTH - LOG 25        | UNSIGNED INT  | 1   |
| 1511 | SAG_SWELL_YEAR - LOG 25         | SAG_SWELL_YEAR - LOG 25         | SAG_SWELL_YEAR - LOG 25         | UNSIGNED INT  | 1   |
| 1512 | SAG_SWELL_HOUR - LOG 25         | SAG_SWELL_HOUR - LOG 25         | SAG_SWELL_HOUR - LOG 25         | UNSIGNED INT  | 1   |
| 1513 | SAG_SWELL_MINUTE - LOG 25       | SAG_SWELL_MINUTE - LOG 25       | SAG_SWELL_MINUTE - LOG 25       | UNSIGNED INT  | 1   |
| 1514 | SAG_SWELL_SECOND - LOG 25       | SAG_SWELL_SECOND - LOG 25       | SAG_SWELL_SECOND - LOG 25       | UNSIGNED INT  | 1   |
| 1515 | SAG_SWELL_MILLI SECOND - LOG 25 | SAG_SWELL_MILLI SECOND - LOG 25 | SAG_SWELL_MILLI SECOND - LOG 25 | UNSIGNED INT  | 1   |
| 1516 | SAG_SWELL_DURATION - LOG 25     | SAG_SWELL_DURATION - LOG 25     | SAG_SWELL_DURATION - LOG 25     | UNSIGNED INT  | 1   |
| 1517 | SAG_SWELL_INFO - LOG 25         | SAG_SWELL_INFO - LOG 25         | SAG_SWELL_INFO - LOG 25         | UNSIGNED INT  | 1   |
| 1518 | SAG_SWELL_DATA - LOG 26         | SAG_SWELL_DATA - LOG 26         | SAG_SWELL_DATA - LOG 26         | UNSIGNED LONG | 100 |
| 1520 | SAG_SWELL_DATE - LOG 26         | SAG_SWELL_DATE - LOG 26         | SAG_SWELL_DATE - LOG 26         | UNSIGNED INT  | 1   |
| 1521 | SAG_SWELL_MONTH - LOG 26        | SAG_SWELL_MONTH - LOG 26        | SAG_SWELL_MONTH - LOG 26        | UNSIGNED INT  | 1   |
| 1522 | SAG_SWELL_YEAR - LOG 26         | SAG_SWELL_YEAR - LOG 26         | SAG_SWELL_YEAR - LOG 26         | UNSIGNED INT  | 1   |

|      |                                    |                                    |                                    |                  |     |
|------|------------------------------------|------------------------------------|------------------------------------|------------------|-----|
| 1523 | SAG_SWELL_HOUR - LOG<br>26         | SAG_SWELL_HOUR - LOG<br>26         | SAG_SWELL_HOUR - LOG<br>26         | UNSIGNED<br>INT  | 1   |
| 1524 | SAG_SWELL_MINUTE - LOG<br>26       | SAG_SWELL_MINUTE - LOG<br>26       | SAG_SWELL_MINUTE - LOG<br>26       | UNSIGNED<br>INT  | 1   |
| 1525 | SAG_SWELL_SECOND - LOG<br>26       | SAG_SWELL_SECOND - LOG<br>26       | SAG_SWELL_SECOND - LOG<br>26       | UNSIGNED<br>INT  | 1   |
| 1526 | SAG_SWELL_MILLI<br>SECOND - LOG 26 | SAG_SWELL_MILLI<br>SECOND - LOG 26 | SAG_SWELL_MILLI<br>SECOND - LOG 26 | UNSIGNED<br>INT  | 1   |
| 1527 | SAG_SWELL_DURATION - LOG<br>26     | SAG_SWELL_DURATION - LOG<br>26     | SAG_SWELL_DURATION - LOG<br>26     | UNSIGNED<br>INT  | 1   |
| 1528 | SAG_SWELL_INFO - LOG<br>26         | SAG_SWELL_INFO - LOG<br>26         | SAG_SWELL_INFO - LOG<br>26         | UNSIGNED<br>INT  | 1   |
| 1529 | SAG_SWELL_DATA - LOG<br>27         | SAG_SWELL_DATA - LOG<br>27         | SAG_SWELL_DATA - LOG<br>27         | UNSIGNED<br>LONG | 100 |
| 1531 | SAG_SWELL_DATE - LOG<br>27         | SAG_SWELL_DATE - LOG<br>27         | SAG_SWELL_DATE - LOG<br>27         | UNSIGNED<br>INT  | 1   |
| 1532 | SAG_SWELL_MONTH - LOG<br>27        | SAG_SWELL_MONTH - LOG<br>27        | SAG_SWELL_MONTH - LOG<br>27        | UNSIGNED<br>INT  | 1   |
| 1533 | SAG_SWELL_YEAR - LOG<br>27         | SAG_SWELL_YEAR - LOG<br>27         | SAG_SWELL_YEAR - LOG<br>27         | UNSIGNED<br>INT  | 1   |
| 1534 | SAG_SWELL_HOUR - LOG<br>27         | SAG_SWELL_HOUR - LOG<br>27         | SAG_SWELL_HOUR - LOG<br>27         | UNSIGNED<br>INT  | 1   |
| 1535 | SAG_SWELL_MINUTE - LOG<br>27       | SAG_SWELL_MINUTE - LOG<br>27       | SAG_SWELL_MINUTE - LOG<br>27       | UNSIGNED<br>INT  | 1   |
| 1536 | SAG_SWELL_SECOND - LOG<br>27       | SAG_SWELL_SECOND - LOG<br>27       | SAG_SWELL_SECOND - LOG<br>27       | UNSIGNED<br>INT  | 1   |
| 1537 | SAG_SWELL_MILLI<br>SECOND - LOG 27 | SAG_SWELL_MILLI<br>SECOND - LOG 27 | SAG_SWELL_MILLI<br>SECOND - LOG 27 | UNSIGNED<br>INT  | 1   |
| 1538 | SAG_SWELL_DURATION - LOG<br>27     | SAG_SWELL_DURATION - LOG<br>27     | SAG_SWELL_DURATION - LOG<br>27     | UNSIGNED<br>INT  | 1   |
| 1539 | SAG_SWELL_INFO - LOG<br>27         | SAG_SWELL_INFO - LOG<br>27         | SAG_SWELL_INFO - LOG<br>27         | UNSIGNED<br>INT  | 1   |
| 1540 | SAG_SWELL_DATA - LOG<br>28         | SAG_SWELL_DATA - LOG<br>28         | SAG_SWELL_DATA - LOG<br>28         | UNSIGNED<br>LONG | 100 |
| 1542 | SAG_SWELL_DATE - LOG<br>28         | SAG_SWELL_DATE - LOG<br>28         | SAG_SWELL_DATE - LOG<br>28         | UNSIGNED<br>INT  | 1   |
| 1543 | SAG_SWELL_MONTH - LOG<br>28        | SAG_SWELL_MONTH - LOG<br>28        | SAG_SWELL_MONTH - LOG<br>28        | UNSIGNED<br>INT  | 1   |
| 1544 | SAG_SWELL_YEAR - LOG<br>28         | SAG_SWELL_YEAR - LOG<br>28         | SAG_SWELL_YEAR - LOG<br>28         | UNSIGNED<br>INT  | 1   |
| 1545 | SAG_SWELL_HOUR - LOG<br>28         | SAG_SWELL_HOUR - LOG<br>28         | SAG_SWELL_HOUR - LOG<br>28         | UNSIGNED<br>INT  | 1   |
| 1546 | SAG_SWELL_MINUTE - LOG<br>28       | SAG_SWELL_MINUTE - LOG<br>28       | SAG_SWELL_MINUTE - LOG<br>28       | UNSIGNED<br>INT  | 1   |
| 1547 | SAG_SWELL_SECOND - LOG<br>28       | SAG_SWELL_SECOND - LOG<br>28       | SAG_SWELL_SECOND - LOG<br>28       | UNSIGNED<br>INT  | 1   |
| 1548 | SAG_SWELL_MILLI<br>SECOND - LOG 28 | SAG_SWELL_MILLI<br>SECOND - LOG 28 | SAG_SWELL_MILLI<br>SECOND - LOG 28 | UNSIGNED<br>INT  | 1   |
| 1549 | SAG_SWELL_DURATION - LOG<br>28     | SAG_SWELL_DURATION - LOG<br>28     | SAG_SWELL_DURATION - LOG<br>28     | UNSIGNED<br>INT  | 1   |
| 1550 | SAG_SWELL_INFO - LOG<br>28         | SAG_SWELL_INFO - LOG<br>28         | SAG_SWELL_INFO - LOG<br>28         | UNSIGNED<br>INT  | 1   |
| 1551 | SAG_SWELL_DATA - LOG<br>29         | SAG_SWELL_DATA - LOG<br>29         | SAG_SWELL_DATA - LOG<br>29         | UNSIGNED<br>LONG | 100 |
| 1553 | SAG_SWELL_DATE - LOG<br>29         | SAG_SWELL_DATE - LOG<br>29         | SAG_SWELL_DATE - LOG<br>29         | UNSIGNED<br>INT  | 1   |

|      |                                 |                                 |                                 |               |     |
|------|---------------------------------|---------------------------------|---------------------------------|---------------|-----|
| 1554 | SAG_SWELL_MONTH - LOG 29        | SAG_SWELL_MONTH - LOG 29        | SAG_SWELL_MONTH - LOG 29        | UNSIGNED INT  | 1   |
| 1555 | SAG_SWELL_YEAR - LOG 29         | SAG_SWELL_YEAR - LOG 29         | SAG_SWELL_YEAR - LOG 29         | UNSIGNED INT  | 1   |
| 1556 | SAG_SWELL_HOUR - LOG 29         | SAG_SWELL_HOUR - LOG 29         | SAG_SWELL_HOUR - LOG 29         | UNSIGNED INT  | 1   |
| 1557 | SAG_SWELL_MINUTE - LOG 29       | SAG_SWELL_MINUTE - LOG 29       | SAG_SWELL_MINUTE - LOG 29       | UNSIGNED INT  | 1   |
| 1558 | SAG_SWELL_SECOND - LOG 29       | SAG_SWELL_SECOND - LOG 29       | SAG_SWELL_SECOND - LOG 29       | UNSIGNED INT  | 1   |
| 1559 | SAG_SWELL_MILLI SECOND - LOG 29 | SAG_SWELL_MILLI SECOND - LOG 29 | SAG_SWELL_MILLI SECOND - LOG 29 | UNSIGNED INT  | 1   |
| 1560 | SAG_SWELL_DURATION - LOG 29     | SAG_SWELL_DURATION - LOG 29     | SAG_SWELL_DURATION - LOG 29     | UNSIGNED INT  | 1   |
| 1561 | SAG_SWELL_INFO - LOG 29         | SAG_SWELL_INFO - LOG 29         | SAG_SWELL_INFO - LOG 29         | UNSIGNED INT  | 1   |
| 1562 | SAG_SWELL_DATA - LOG 30         | SAG_SWELL_DATA - LOG 30         | SAG_SWELL_DATA - LOG 30         | UNSIGNED LONG | 100 |
| 1564 | SAG_SWELL_DATE - LOG 30         | SAG_SWELL_DATE - LOG 30         | SAG_SWELL_DATE - LOG 30         | UNSIGNED INT  | 1   |
| 1565 | SAG_SWELL_MONTH - LOG 30        | SAG_SWELL_MONTH - LOG 30        | SAG_SWELL_MONTH - LOG 30        | UNSIGNED INT  | 1   |
| 1566 | SAG_SWELL_YEAR - LOG 30         | SAG_SWELL_YEAR - LOG 30         | SAG_SWELL_YEAR - LOG 30         | UNSIGNED INT  | 1   |
| 1567 | SAG_SWELL_HOUR - LOG 30         | SAG_SWELL_HOUR - LOG 30         | SAG_SWELL_HOUR - LOG 30         | UNSIGNED INT  | 1   |
| 1568 | SAG_SWELL_MINUTE - LOG 30       | SAG_SWELL_MINUTE - LOG 30       | SAG_SWELL_MINUTE - LOG 30       | UNSIGNED INT  | 1   |
| 1569 | SAG_SWELL_SECOND - LOG 30       | SAG_SWELL_SECOND - LOG 30       | SAG_SWELL_SECOND - LOG 30       | UNSIGNED INT  | 1   |
| 1570 | SAG_SWELL_MILLI SECOND - LOG 30 | SAG_SWELL_MILLI SECOND - LOG 30 | SAG_SWELL_MILLI SECOND - LOG 30 | UNSIGNED INT  | 1   |
| 1571 | SAG_SWELL_DURATION - LOG 30     | SAG_SWELL_DURATION - LOG 30     | SAG_SWELL_DURATION - LOG 30     | UNSIGNED INT  | 1   |
| 1572 | SAG_SWELL_INFO - LOG 30         | SAG_SWELL_INFO - LOG 30         | SAG_SWELL_INFO - LOG 30         | UNSIGNED INT  | 1   |

### ENERGY PARAMETER READING

- For Reading Energy Parameter, user needs to combine KxH1 and KxH2 Parameters. e.g For calculating KWh Import Energy user need to read KWH1 – Import and KWH2 – Import Parameters and then combine its.
  - KWH1 IMPORT(at 265 Address) = 98
  - KWH2 IMPORT(at 267 Address) = 548,632,510
  - SysKWh :  $((KWH1IMPORT*10,000,000)+(KWH2 IMPORT/100))$   
 $((98*10,000,000)+(548,632,510/100)) = 985,486,325.1$
- For Reading Net Energy Parameter, user needs to combine Net KxH1, Net KxH2 and NET KxH-SIGN MULTIPLIER Parameters.e.g. For calculating Net KWh Energy user need to read Net KWH1, Net KWH2 and Net KWh sign multiplier.SLM-PRO send +1 or -1 as sign multiplier.
  - NET KWH1(at 273 Address) = 85
  - NET KWH2(at 275 Address) = 456,823,105
  - NET KWH –SIGN MULTIPLIER(at 277 Address) = (-1)
  - Net KWh :

$$\begin{aligned} & (\text{SIGN MULTIPLIER}) * ((\text{NET KWH1} * 10,000,000) + (\text{NET KWH2} / 100)) \\ & (-1) * ((85 * 10,000,000) + (456,823,105 / 100)) \\ & : -8,545,682,310.5 \end{aligned}$$

**x** – W, VA and VAR.

#### DEFINING MULTIPLICATION FACTOR

- Hz has a multiplication factor of 100.e.g. If Hz is 48.33, then it is sent as 4833 for providing resolution. In same fashion PF has a MF of 1000. Thus, a PF value of 0.987 is sent as 987.
- If an attempt is made to read some address other than the valid addresses, the exception response is sent.

#### EXPEPTION CODE

In the event that the query from the HOST has no communication error, but there is some error in specifying the address of registers to be read, the meter returns an exception message. The format of the exception message will be as under:

|              |      |                |     |     |
|--------------|------|----------------|-----|-----|
| Unit Address | 0X83 | Exception code | CRC | CRC |
|--------------|------|----------------|-----|-----|

**Exception Code can have only one value**, 02: if the address is not a valid, start address or host has requested more than 254 bytes of data, this code is returned.

P.O No. : .....  
Customer : .....  
Sr. No. : .....  
Result of Test : .....  
Remarks : .....  
Test engineer : .....  
Date : .....