

LoRa® Power Meter with internal CTs

Accurate measurement of energy with internal CTs using the Modbus and LoRaWAN™ protocol



Energy Measurement

The first step towards saving energy and improving operational processes is the measurement of the most important parameters of your electrical energy supply while monitoring the peak loads i.e. power factors, reactive power generated etc.

Pulse 3ph wireless energy meter is mainly used to measure three-phase energy parameters, with RS485 communication and 868MHz LoRaWAN wireless communication function, which is convenient for users to monitor, collect and manage electricity consumption and other energy parameters like.

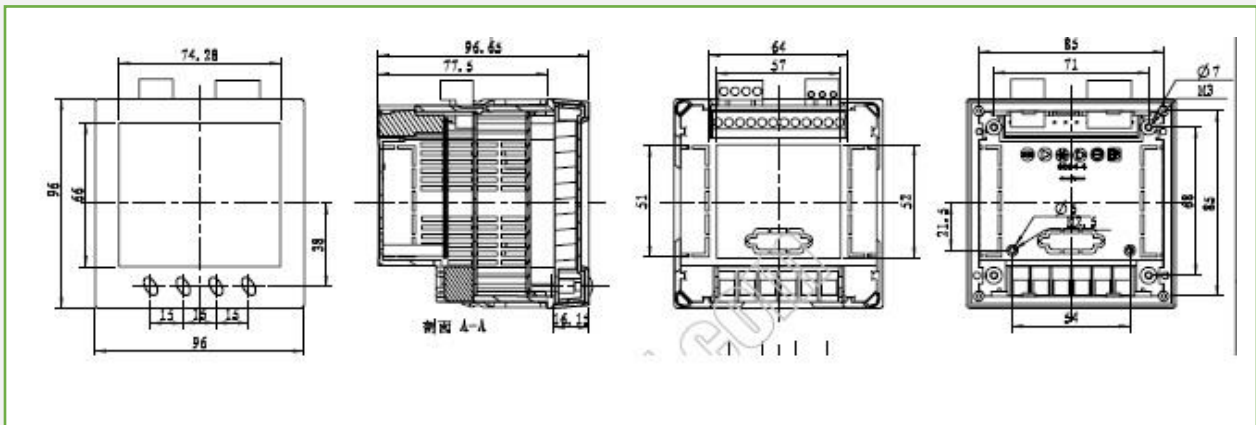
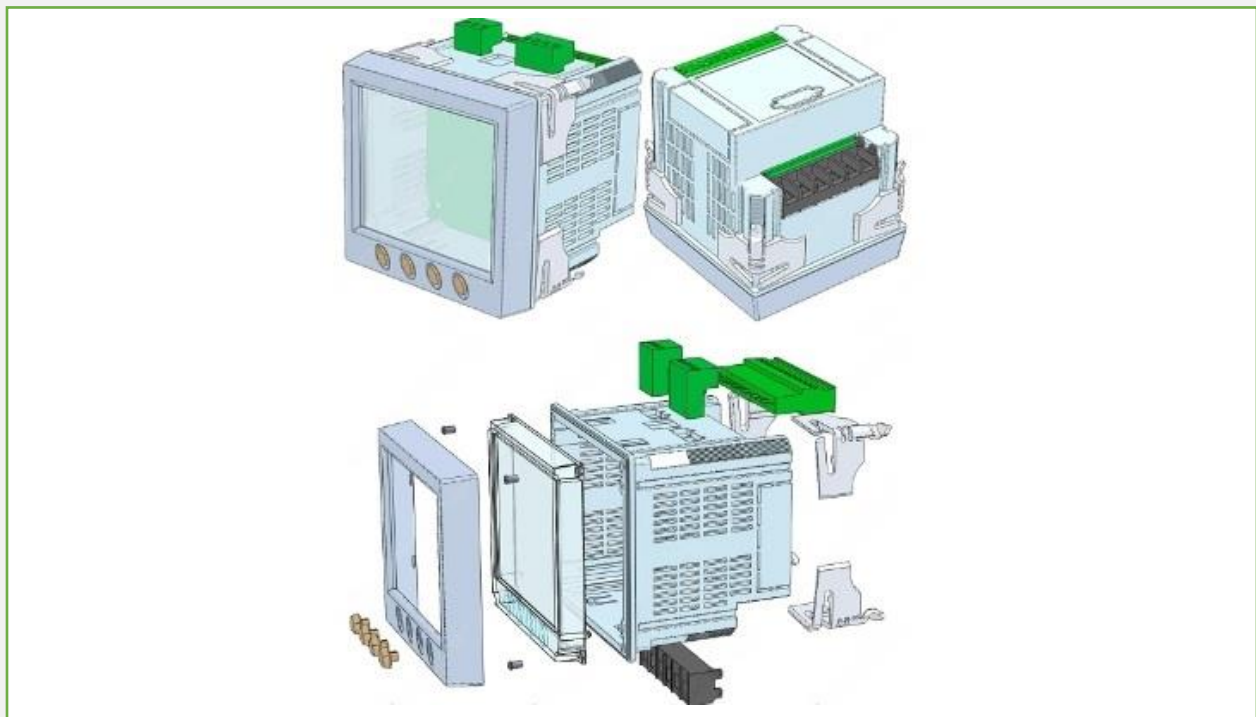
- | | |
|---|--|
| <ul style="list-style-type: none">• Meter id• KWH• Cumulative forwarded KVAh• Cumulative forwarded KVArh• Instant voltage R phase• Instant voltage Y phase• Instant voltage B phase• Instant current R phase• Instant current Y phase• Instant current B phase• | <ul style="list-style-type: none">• Instant load KW R phase• Instant load KW Y phase• Instant load KW B phase• Instant load KW total• Instant power factor R phase• Instant power factor Y phase• Instant power factor B phase• Instant power factor total• Instant load frequency• w. Real date in dd/mm/yy• x. Real time in hh/mm/ss |
|---|--|

Specification and Dimensions

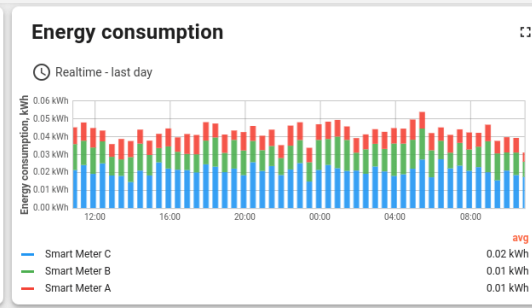
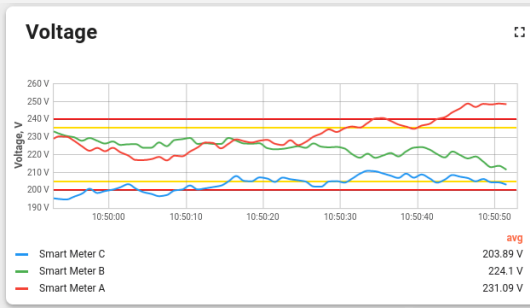
Specification:

Place of Origin: Dubai, UAE.
Brand Nam: Pulse 3ph
Model Number: PH3000
Display Type: LCD
Phase: Three Phase
Measuring Energy Range: 0-99999kwh
Accuracy Class: 0.5s
Output Voltage: 220V
Operating Temperature: -20 to +55 °C
Dimensions: 96*96mm

Auxiliary Power Supply: AC/DC 85V~265V or
AC/DC 115~415V
Frequency Range: 45-65 Hz
Voltage, current and power: Class 0.2
Output mode: Optocoupler pulse with open
collector
Pulse constant: 4000 (5A),8000 (1A) imp/kWh
Starting Current: 0.1%
Installation: Panel mounted
Panel size (L*W): 96*96mm
Cut-out size (L*W): 92*92mm
Communication: Modbus and Lorawan 1.0.2



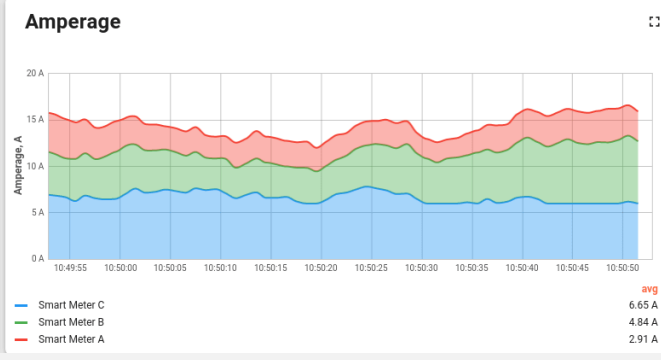
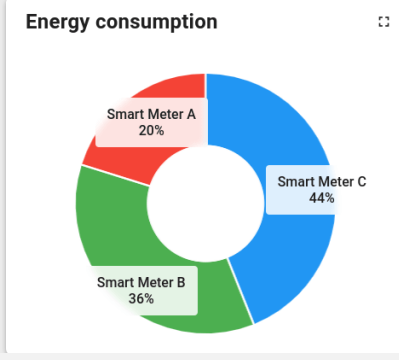
Energy Management Dashboard Sample:



Energy meters

Name	Label	Voltage, V	Amperage, V	Power, W
Smart Meter C	3rd Floor	203.24	6.0	1219.44
Smart Meter B	2nd Floor	211.69	6.71	1420.44
Smart Meter A	1st Floor	248.68	3.22	800.75

Items per page: 10 | 1 - 3 of 3



Alarms

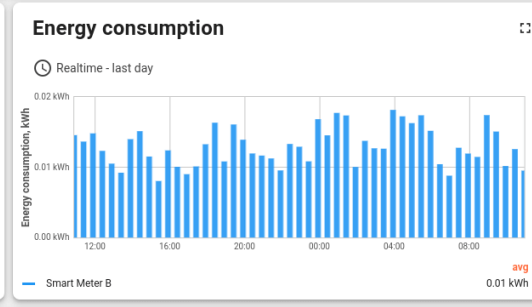
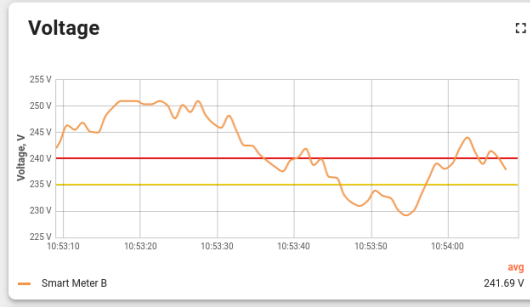
Realtime - last day

Start time	Originator	Type	Severity	Status
2022-02-10 10:50:49	Smart Meter C	Low Voltage Alarm	Major	Active Unacknowledged
2022-02-10 10:50:40	Smart Meter A	High Voltage Alarm	Critical	Active Unacknowledged

Items per page: 10 | 1 - 2 of 2

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← 2nd Floor Smart Meter B



Alarms

Realtime - last day

Start time	Type	Severity	Status
2022-02-10 10:53:57	High Voltage Alarm	Critical	Active Unacknowledged

Items per page: 10 | 1 - 1 of 1

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