Multifunction Power Meter Datasheet

Product Description

Multifunction Power Meter provides detailed, real-time electricity usage information to reduce electricity bills and increase understanding of the status of the grid, thereby improving its performance and the quality of service provided to customers.

The smart energy meter can also be used with home energy management systems to show your home energy usage, help you find ways to save energy and money, and even allow you to adjust the thermostat or turn off appliances remotely.

Product Features

- Combines electricity measuring and monitoring into one
- Full parameter measuring and power quality monitoring
- Measures and alarms for residual current and cable temperature
- Reliable data transfer
- 7-day data cache & retransmit
- 10 sec. keeps working to post POWER-OFF alarm
- 1 sec. real-time data upload
- Multiple Communication Protocol: 4G / LoRa / RS485
- Remote support and engineering simplification
- P2P remote configuration & free maintenance
- Phase-sequence auto adjustment
- Split core CT for easy installation

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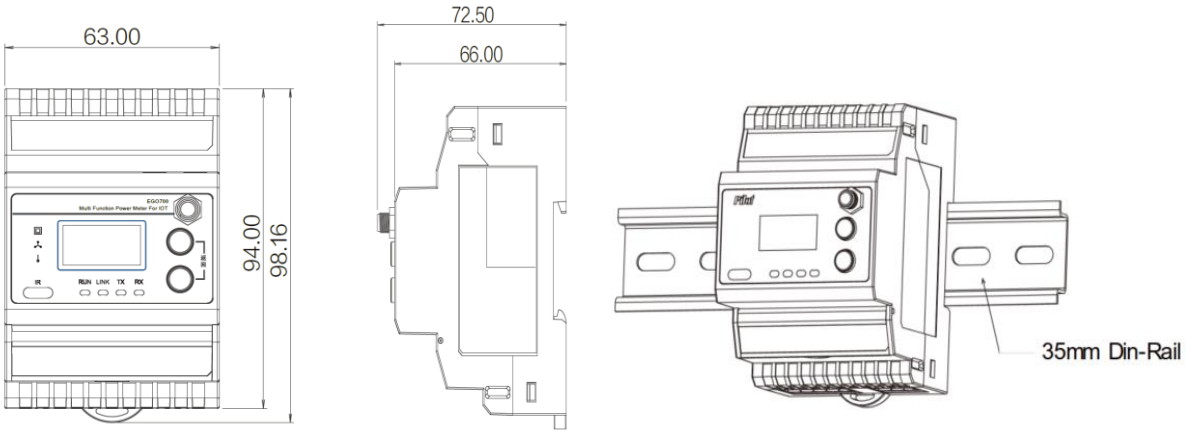
Product Dimensions

Unit: mm



Specifications

Parameter	Measurement Range	Accuracy
Voltage	Phase Voltage:10V~400 V Line Voltage: 10V~500V	0.2%
Primary Voltage	Max. 1000KV	-
Current	5mA-6.5A	0.2%
Primary Current	Max. 100000A	-
Active Energy	0-99999999.9 kWh	0.5%
Reactive Energy	0-99999999.9 kWh	2%
Active Power	Single Phase: 0 ~ ±9999 MW/Mvar Total: 0 ~ ±9999 MW/Mvar	0.5%
Reactive Power		1.0%
Frequency	40~70Hz	0.1%
Harmonic	0%~100%	Class B

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Power Supply	AC 85~265V, DC 100-300V
Rated Current (Optional)	1.67 mA 5A/1.67 mA 100A/33.3mA
Rated Voltage	3x57.7/100V, 3x220/380V
Digital Input	Wet contact, external power supply: 220V, when < 60V, open, when >140V, closed, Max. Input: 300V Or Dry contact: internal supply 24Vdc|
Connection Mode	3P4W, 3P3W
LTE Wireless Communication	LTE-FDD B1/B3/B5/B8|LTE-FDD B34/B38/B39/B40/B41
Residual Current	1 x 0-8000mA
Cable Temperature	4 x 0-150 ℃
LoRa	470-510Mhz, 1KM open area
RS485	4800-38400bps
Break-point transfer	7 days data cache (1 sampling point / 5min.)
Operation temp.	-25 ℃ ~+70 ℃
Storage temp.	-40 ℃ ~+85 ℃
Operation Humidity	5% - 95% Non-condensing

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