

Energom-400

Multi-Channels Energy Meter
Din-Rail mounting

Description

Energom-400 series used for residential / commercial sub-metering, sampling the current signal through an external small open-loop transformer, compact size can easy install in metering box.

RS485 port easy to build monitor network, enable reliable monitoring of building electrical loads with a low installation cost-per-point.

Features

- 4 channles three phase or 12 channels single phase circuit metering
- Measurement accuracy class 0.5
- Current measuring 100mA or 333mV
- 1.6" dot matrix LCD screen
- Universal series power supply (85-265VAC/DC)
- Provide 5 virtual alarm trigger
- With RS-485 Modbus/RTU Communications
- Accept customization design



Technical characteristics

Current measurement on inputs (TRMS)

CT secondary rated	100mA, 333mV optional
Measurement range	0 ... 9999A
Overload	1.2 times rated continuous; 5 seconds for 10 times the rated
Input consumption	<0.2 VA

Voltage measurement (TRMS)

Direct measurement	18 ... 400 VAC L-L (18 ... 250VAC L-N)
PT secondary	100VAC / 400VAC
Frequency	45 ... 65 Hz
Overload	1 seconds for 2 times the rated
Input consumption	<0.2 VA

Auxiliary power supply

AC voltage	DC/AC 85~265 ± 10 %, 50 / 60 Hz
Consumption	< 10 VA

Communication

Link	RS485 (2/3 wires half duplex)
Protocol	Modbus RTU mode
MODBUS speed	4800/9600/12800/19200bps

Typical Wiring

