

EM537-LoRa CT

three phase energy meter-1.5A-Modbus-LoRa-Multi-rates



- CE approved
- Three phase metering 5 din modules
- Transformer connected meter 5A,CT ratio can be set
- LoRa Private frequencies including 433/868/915/923Mhz
- Long distance transmission,low-power consumption
- 128×64 Lattice LCD display
- Clear green backlight display
- 50 pulse output
- Modbus RTU with 16 bit CRC
- 1,2,3 and 4 tariff meter option
- Accuracy class B according to EN50470-3
- Accuracy class 1 according to IEC62053-21
- Memory back-up (EEPROM)



Characteristics

Type of measurement	Volts (L1,L2,L3-N) Amps (L1,L2,L3,Σ,Neutral) kW&kvar&kVA&PF (L1,L2,L3,Σ) Frequency kWh,kvarh (+, -, Σ) kW&kvar Demand (+, -, Σ) Tariff kWh& kvarh (T1,T2,T3,T4,Σ)
Rated current	1.5A
Rated voltage	3*230/400V
Frequency (Hz)	50 or 60Hz
Maximum current	6A
Maximum value measured	5:5 999999.99kWh 5: 5 < CT ratio < 200 9999999.9kWh CT ratio ≥ 200 99999999kWh
Power consumption	<2W 10VA
Terminals flexible 1×mm ²	0-2.5mm ²
RS485 cable	AWG18

Time of Use

Rates	0~4
Separate Import & Export Registers	585
Programmable special days	64
Time-keeping accuracy	<0.5S/day
Power off clock running time	>5 years

LoRa specifications

Frequency range	433Mhz/868Mhz/915Mhz(default)/923Mhz
Modulation method	LoRa TM
Power consumption	data transmission 120mA@18db, receiving data 13mA
Transmission range	2500~4000m

General data	
Pulse width(ms)	80
Pulse constant(imp/kWh)	6400
LED constant(imp/kWh)	6400
Dimension	
Width (mm)	90
Height (mm)	104.5
Depth (mm)	60
Environmental	
Operating temperature	-25°C - +55°C
Storage temperature	-40°C - +70°C