

EM19

Three Phase Keypad pre-paid energy meter



Operation Mode: Postpaid /Prepaid

20 digit STS encryption,no need IC card

No credit ,load swith disconnect, load purchased energy credit automatically restore the power supply

Programmable load limit and low credit warning

Tamper detection and event log : terminal&upper cover open, reverse current, overload ,Line and neutral current unbalance,Magnetic tamper

Detect power grid parameters including Voltage, Ampere, kW, PF, Hz etc.

Active Max Demand metering

TOU metering

Daily/Monthly Frozen recording

Support several communication ways (RS485/LAN/WAN port)

Split PLC prepayment option

Via PLC,AMI and Remote Prepayment function



Characteristics

| | |
|--|--|
| Meter display item | Total electricity consumption,residual credit,data,time,Meter ID |
| Current | 5(100)A |
| Rated voltage | 3×220/380~3×240/400V |
| Frequency (Hz) | 50 or 60Hz |
| Power consumption of current circuits(VA) | < 2.5VA |
| Power consumption of voltage circuits(W) | < 1.5W 8VA |
| Current terminals flexible 1×mm ² | 0-16mm ² |
| another terminal flexible 1×mm ² | 0-2.5mm ² |
| Relay | 100A |
| Light status | Pulse light,Alarm light,Credit light,Relay trip light |
| Real-time clock accuracy | < 5 ppm |

LCD specifications

| | |
|-------------------------------------|---|
| LCD type | Wide-temperature range LCD display |
| Display character of data item | 8 digiits include 6 integer digits and 2 decimal digits |
| Display character digits of data ID | 3 digits |

Comms

| | |
|--------------------------------|-------------------|
| IR optical comm. Port | FLAG(IEC62056-21) |
| Build-in communication | RS485 |
| Pluggable communication module | PLC,RF,GPRS |

| Dimension | |
|-----------------------|---------------|
| Width (mm) | 175 |
| Height (mm) | 282 |
| Depth (mm) | 90 |
| Environmental | |
| Operating temperature | -25°C - +65°C |
| Storage temperature | -40°C - +70°C |

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