

Metering EM115

single phase energy meter-45A-Modbus



- ◆ MID approved with appendix "B" and "D" certification
- ◆ Single phase metering 1 din modules
- ◆ Direct metering up to 100A
- ◆ LCD display, 6 integer 2 decimal
- ◆ Clear green backlight display
- ◆ S0 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)
- ◆ Import / Export / Generation and Consumption
- ◆ NET Metering to comply with OFGEM regulations on Co-Located Storage
- ◆ With bi-directional energy measurement, this meter is ideal for solar PV energy metering. Direct/CT connection
- ◆ Solid or split CT options

Specification

EM115



Characteristics

Type of measurement

Rated current

Rated Voltage

Frequency (Hz)

Maximum current

Maximum value measured

Power consumption

Current terminals flexible 1 × mm²

RS485 cable

another terminal flexible 1 × mm²

Voltage ,Ampere ,kW, PF,Hz, +kWh , -kWh ,L kWh

5A

230V

50 or 60Hz

45A

999999.99kWh

<1.3W 0.01 VA

0-16mm²

AWG18

0-2.5mm²

General Data

Pulse 1 width(ms)

Pulse 1 constant(imp/kWh)

Pulse 2 constant(imp/kWh)

LED constant(imp/kWh)

80

10000

0.001/0.01/0.1/1

10000

Dimension

Width (mm)

Height (mm)

Depth (mm)

18

104.5

88

Environmental

Operating temperature

Storage temperature

-25°C - +55°C

-40°C - +70°C

