



## EM115-Mod-PO DC

### single phase energy meter-45A-Modbus

MID approved B+D

Bidirectional energy metering,230V AC 50Hz/120V AC 60Hz

Direct metering up to 45A

Display of Voltage,Ampere,kW,PF,Hz,+kWh,-kWh,ΣkWh

Total energy usage can be calculated via 5 different modes.

Display Modbus RTU Interface data : baud rate, Modbus id Parity

Reactive power and reactive energy available through interface

LCD display, 5 integer 1 decimal

Clear green backlight display

Accuracy class B according to EN50470-3

Accuracy class 1 according to IEC62053-21

Memory back-up (EEPROM)



### Characteristics

Type of measurement	Voltage,Ampere,kW,PF,Hz,+kWh,-kWh,ΣkWh
Rated current	5A
Rated voltage	230V
Frequency (Hz)	50 or 60Hz
Maximum current	45A
Maximum value measured	99999.9kWh
Power consumption of current circuits(VA)	< 0.01
Power consumption of voltage circuits(W)	< 1.3W
Current terminals flexible 1×mm <sup>2</sup>	0-6mm <sup>2</sup>
RS485 cable	AWG18
another terminal flexible 1×mm <sup>2</sup>	0-2.5mm <sup>2</sup>

### General data

Pulse1 width(ms)	80
Pulse1 constant(imp/kWh)	1000
Pulse2 constant(imp/kWh)	0.001/0.01/0.1/1
LED constant(imp/kWh)	1000

### Dimension

Width (mm)	18
Height (mm)	104.5
Depth (mm)	88

### Environmental

Operating temperature	-25°C - +55°C
Storage temperature	-40°C - +70°C

