

## EM115-Mod

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



MID approved with appendix "B" and "D" certification  
 Bidirectional energy metering, 230V AC 50Hz/120V AC 60Hz  
 Direct metering up to 45A  
 Display of Voltage, Ampere, kW, PF, Hz, +kWh, -kWh, ΣkWh  
 Display Modbus RTU Interface data : baud rate, Modbus id Parity  
 Reactive power and reactive energy available through interface  
 S0 pulse output, transmission of measured values via pulses.  
 LCD display, 4 integer 2 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, Ampe, kW, PF, Hz, +kWh, -kWh, ΣkWh
Rated current	5A
Rated voltage	230V
Frequency (Hz)	50 or 60Hz
Maximum current	45A
Maximum value measured	9999.99kWh
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