



## EM115-Mod-DO DC

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

MID approved B+D  
 Bidirectional energy metering,230V AC 50Hz/120V AC 60Hz  
 Direct metering up to 45A  
 Program can be Switched to "Prepaid mode"  
 Can program the remaining value & credit value  
 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  
 1DO output,use as Modbus controlled output  
 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,Ampe,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>

#### Output specifications

Number of digital outputs	1
Type	Relay output, AC1-5A @250V AC

#### Dimension

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

#### Environmental

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

