

EM115-Mod

single phase meter-100A/330mV-Modbus



MID approved with appendix "B" and "D" certification
 Bidirectional energy metering, 230V AC 50Hz/120V AC 60Hz
 330mV ac input, 100A
 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, 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
Primary Current(A)	100A
Second input(mV)	330mV (Primary current=60A)
Rated voltage	230V
Frequency (Hz)	50 or 60Hz
Maximum value measured	99999.9kWh
Power consumption of current circuits(VA)	< 0.01
Power consumption of voltage circuits(W)	< 1.3W
RS485 cable	AWG18
terminal flexible 1xmm2	0-2.5mm ²

General data

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