

EM415-Mod-WL

single phase Graphic display WiFi energy meter



Single phase metering 4 din modules

Direct metering up to 100A

128*64 pixel LCD Graphic Display ,clear White backlight

Multi electricity parameters measurement (Voltage, Ampere, kW, PF, Hz, Σ kWh)

+kWh, -kWh, +kvarh , -kvarh, var, VA available through interface

Metrological LED for energy flow indication

Programming by button on the nameplate

Support several communication ways (LAN/RS485 port)

Wifi support 802.11b/g/n, Frequency ranger:2.412GHz-2.484GHz

RS485 Modbus RTU with 16 bit CRC

Support remote parameter setting and device diagnosis

SOpulse output, transmission of measured values via pulses

Accuracy class 1 according to IEC62053-21

Memory back-up (EEProm)



Characteristics

Type of measurement	Voltage,Ampe,kW,PF,Hz, Σ kWh
Rated current	10A
Rated voltage	230V
Frequency (Hz)	50 or 60Hz
Maximum value measured	999999.9kWh
Power consumption of current circuits(VA)	< 0.01
Power consumption of voltage circuits(W)	< 1.3W
Current terminals flexible 1×mm ²	0-16mm ²
another terminal flexible 1×mm ²	0-2.5mm ²

LCD specifications

LCD type	Graphic display STN
Pixel	128×64
Connector	COG+BL

WiFi comms

WiFi standard	802.11 b/g
Frequency Ranger	2.412GHz~2.484GHz
Power consumption	Power consumption 802.11 b :+20db ; 802.11 g: +18db

Modbus serial comms

Protocol	Modbus RTU with 16 bit CRC
Baud Rate(bps)	1200,2400,4800,9600(default)
Bus loading(pcs)	< 64

Dimension	
Width (mm)	76
Height (mm)	60
Depth (mm)	100
Environmental	
Operating temperature	-25°C - +55°C
Storage temperature	-40°C - +70°C