



## EM115-Mod-WL

### single phase wireless energy meter with LoRa

Bidirectional energy metering,230V AC 50Hz/120V AC 60Hz  
 Transformer connected meter  
 CT ratio can be set by communication  
 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  
 LCD display, 5 integer 1 decimal  
 Clear green backlight display  
 LoRaWAN frequencies including 433Mhz/868Mhz/915Mhz/923Mhz  
 Long distance transmission,low-power consumption  
 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 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>
another terminal flexible 1×mm <sup>2</sup>	0-2.5mm <sup>2</sup>

### LoRa specifications

Frequency range	433Mhz/868Mhz/915Mhz(default)/923Mhz
Modulation method	LoRa TM
Power consumption	data transmission 120mA@18db, receiving data 13mA
Transmission range	2500~4000m

### Dimension

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

### Environmental

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