



## EM737 CT three phase energy meter-1.5A-Modbus- Multi-rates

- MID approved with appendix "B" and "D" certification
- Three phase metering 7 din modules
- Transformer connected meter,CT ratio can be set
- LCD display, 6 integer 2 decimal, meter display when power fails
- Clear green backlight display
- S0 pulse output
- Modbus RTU with 16 bit CRC
- 1,2,3 and 4 tariff meter option
- Accuracy class B according to EN50470-3
- Accuracy class 1 according to IEC62053-21
- Memory back-up (EEPROM)



### Characteristics

Type of measurement	Volts (L1,L2,L3-N) Amps (L1,L2,L3,Σ,Neutral) kW&kvar&kVA&PF (L1,L2,L3,Σ) Frequency kWh,kvarh (+, -, Σ) kW&kvar Demand (+, -, Σ) Tariff kWh& kvarh (T1,T2,T3,T4,Σ)
Rated current	1.5A
Rated voltage	3*230/400V
Frequency (Hz)	50 or 60Hz
Maximum current	6A
Maximum value measured	5:5 999999.99kWh 5: 5 < CT ratio < 200 9999999.9kWh CT ratio ≥ 200 99999999kWh
Power consumption	<2W 10VA
Terminals flexible 1×mm <sup>2</sup>	0-2.5mm <sup>2</sup>
RS485 cable	AWG18
<b>Time of Use</b>	
Rates	0~4
Separate Import & Export Registers	585
Programmable special days	64
Time-keeping accuracy	<0.5S/day
Power off clock running time	>5 years
<b>Modbus serial comms</b>	
Protocol	Modbus RTU with 16 bit CRC
Baud Rate(bps)	1200,2400,4800,9600(default)

Bus loading(pcs)	< 64
<b>General data</b>	
Pulse width(ms)	80
Pulse constant(imp/kWh)	6400
LED constant(imp/kWh)	6400
<b>Dimension</b>	
Width (mm)	126
Height (mm)	104.5
Depth (mm)	60
<b>Environmental</b>	
Operating temperature	-25°C - +55°C
Storage temperature	-40°C - +70°C