E-POWER

ECM900 Series

Multifunction Energy Meter
ECM903
ECM901

E-Power Technology Ltd.
http://www.e-powertech.ca

ECM901 Single-phase Energy Meter

Description

ECM901 single phase energy meter is designed for measuring active energy consumption in AC system.

This intelligent meter combines with micro-electronics technique, advanced integrate circuit, digital and SMT techniques. Via the special LCD display, the energy data is customer friendly and accurately presented. Additional, its compact design and DIN rail enable easy installing and maintaining.

Feature

- 35mm DIN rail instaling, standard DIN ED5002
- Active energy accuracy up to class 1
- 6+1 digits LCD display (999999.9 kWh)

- Passive pulse output, standard DIN43864
- LED indicating pulse output and opposing energy
- One RS485 port, support MODBUS protocol

Performance Index

- Standard: DLT721-2000, IEC61000-4
- Active energy accuracy:
  Class 1, IEC 62053-21:2003
- Rated voltage: 220VAC
- Rated current: 5(40)A, 10(60)A, 20(100)A
- Frequency input: 50Hz or 60Hz
- Starting current: 0.4%Ib
- Power loss   3W
- Power frequency withstand voltage: AC2kV
- Impulse withstand voltage: 6kV (peak)

- Electrostatic discharge immunity test:
  IEC61000-4-2, Level 4
- Radiated immunity test:
  IEC61000-4-3, Level 3
- Electrical fast transient/burst immunity test:
  IEC61000-4-4, Level 3
- Surge immunity test:
  IEC61000-4-5, Level-3
- Conducted emissions: EN55022, Class B
- Radiated emission: EN55022, Class B
- Operating temperature: -40~ +70
- Storage temperature: -50~+85
- Humidity: 5~95%, non-condensing

Order Information

ECM901-- --	
N	Standard model, pulse output
C	Pulse output + RS485 port
: : Rated current	
40	5(40)A
60	10(60)A
100	20(100)A

Dimension (Unit: mm)