

E-POWER

ECM600 Series

Digital Panel Meters

ECM625

ECM603/603H

➔ ECM601



Power Quality

Building Automation

Distribution Automation

Energy Management System

E-Power Technology Ltd.

<http://www.e-powertech.ca>

ECM601 Single-phase Digital Panel Meter

Description

The ECM601 series single phase digital panel meters are suit for 220V (L-N)/ 380V (L-L) low voltage system.

The device is designed for monitoring and displaying electric parameters include voltage, current, active power, reactive power, power factor, frequency, active energy.



Feature

- Sampling AC data in single phase system, transport data via RS485 communication
- High brightness LED panel for local operation
- Optional single parameter measure or integrated measure
- External CT programmable
- RS485 communication/ MODBUS protocol

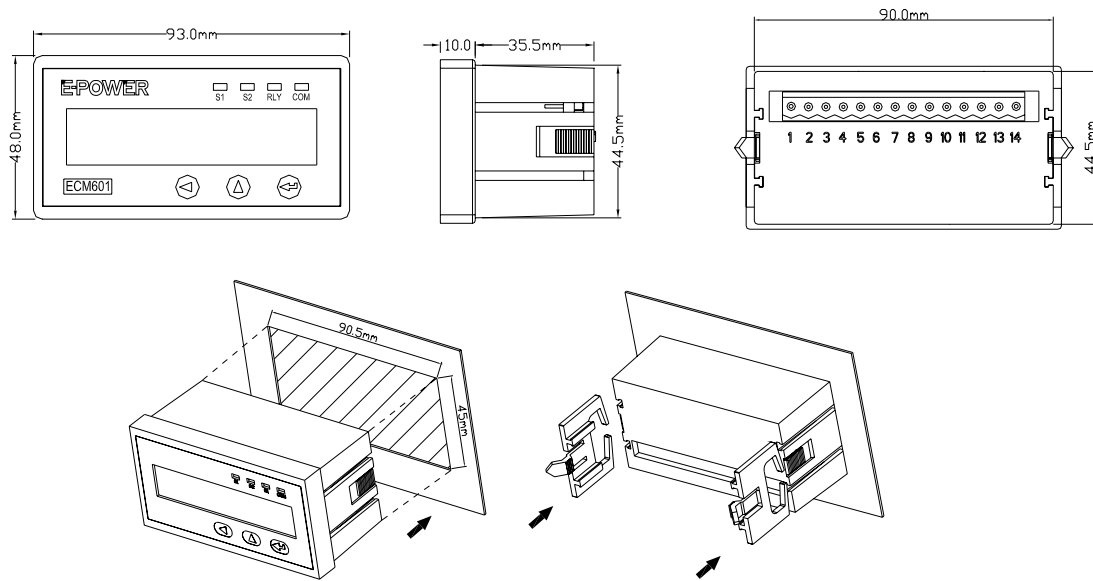
Application

- Control panels
- Low voltage switchboard
- Energy management system
- Power quality analysis

Performance Index

- Standard: DLT721-2000, IEC61000-4
- Accuracy:
 - Voltage: 0.5%
 - Current: 0.5%
 - Power: 1.0%
 - Active energy: class 1
- Power loss < 2VA
- Power frequency withstand voltage: AC2kV/ min. ~1mA Input--Output--Power
- Insulation resistance > 50M
- Impulse withstand voltage: 5kV (peak), 1.2/50uS
- Input range:
 - Current: AC 0~5A
 - Voltage: 0~220VAC
 - Frequency: 50/ 60Hz
- Overload capability: 120% of rated current or voltage
- Communication:
 - RS485 port/ MODBUS protocol
 - Baud rate: 4800/ 9600bps
 - Address: 1~ 247
- Analog output load resistance:400
- Relay output: 250VAC/5A, 30VDC/5A
- Status input: external power supply
- Electrical fast transient/burst immunity test: IEC61000-4-4, Level 4
- Surge immunity test: IEC61000-4-5, Level-3
- Electrostatic discharge immunity test: IEC61000-4-2, Level 3
- Operating temperature: -40~ 70
- Storage temperature: -50~85
- Humidity: 5~95%, non-condensing

Dimension and Installation



Order Information

ECM601-- --

(Users should provide the current input when place order.)

: Module Structure

U	Voltage
I	Current
F	Frequency
P	Voltage + Current + Active Power
W	Voltage + Current + Active Energy
Z	Voltage + Current + Active Power + Reactive Power + Power Factor + Frequency + Active Energy

: Auxiliary Function

A	One 4-20mA Analog Output
S	Two Status Inputs
R	One Relay Alarm Output
C	One RS485 Communication

Note: Auxiliary function A-and R can't be selected together.

Typical Connection

