

# 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>

# ECM625 Three-phase Digital Panel Meter

## Description

The ECM625 series three 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 and reactive energy.

ECM625 series offer one RS485 serial to link with PLC, PCs, and SCADA system etc.



## Feature

- Black panel, 3 line LED, high definition and brightness
- Combination of remote signaling, remote control, remote metering, and remoter
- External CT programmable
- RS485 communication/ MODBUS protocol
- Password protect

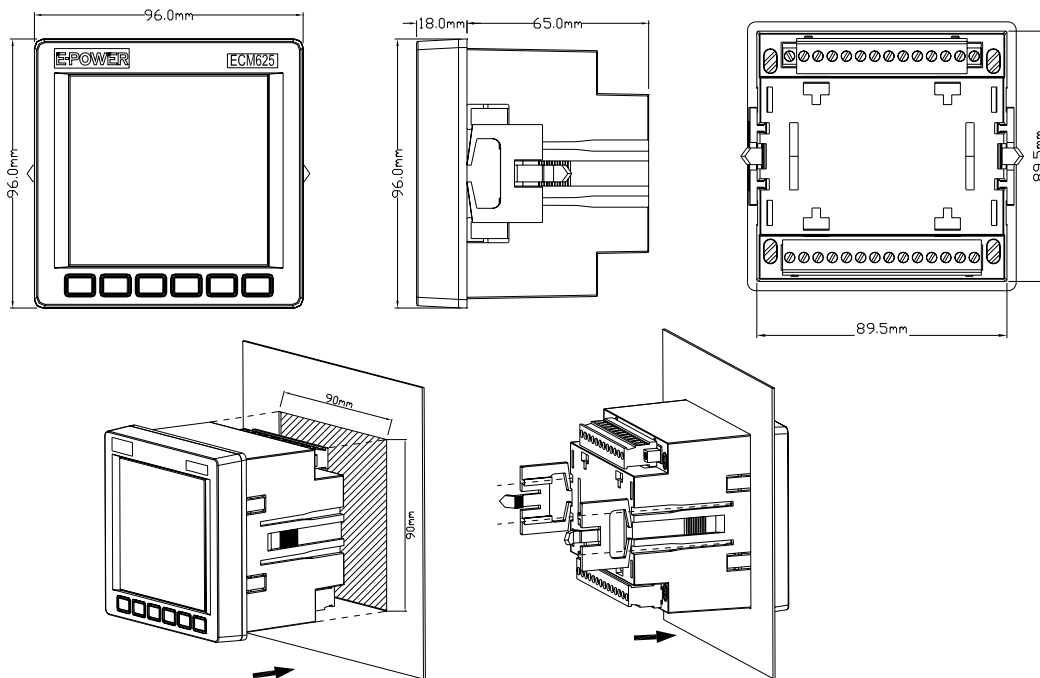
## Application

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

## Performance Index

- Standard: DLT721-2000, IEC61000-4
- Accuracy:
  - Voltage: 0.2%
  - Current : 0.2%
  - Power: 0.5%
  - 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
- 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 4
- Operating temperature: -40~ 70
- Storage temperature: -50~85
- Humidity: 5~95%, non-condensing

## Dimension and Installation



## Order Information

### ECM625-- --

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

#### : Module Structure

<b>I</b>	Current + One RS485 COM
<b>P</b>	Voltage + Current + Active Power + One RS485 COM
<b>W</b>	Voltage + Current + Active Power + Reactive Power + Power Factor + Active Energy + One RS485 COM
<b>Z</b>	Voltage + Current + Active Power + Reactive Power + Power Factor + Frequency + Active Energy + Reactive Energy + One RS485 COM

#### : Auxiliary Function

<b>S</b>	Two External Status Input ( wet contact)
<b>R</b>	Two Relay Alarm Output

# Typical Connection

