

Three Phase Electronic Energy Meter



Features

- Three Phase Four Wires
- Real time measurement Voltage, Current, Power, Power factor, Frequency & THD
- Class 0.5 accuracy
- Permanent Display
- Modbus RTU
- Protection IP51

Application

- Tenant office building
- Food concessions campus
- Entertainment facilities
- Shopping mall
- Airport
- Utility metering
- Commercial building

Overview

The HEM 970 DIN rail three phase electronic type energy meter is designed special for energy management system (EMS) with Modbus RTU Protocol. The real electricity consumption is showing via 7 digits LCD display. This meter can connect up to 100A directly or with CT ratio is programmable. With Modbus RTU protocol can configured as a slaves meter and easy to remote from BAS, PLC & SCADA. The high accuracy, wide operating range and very low starting current makes it the ideal choice. The SMT (Surface Mount Technology) design and construction guarantee a long and service free life. The design of the register ensure easy reading of the meter and permanent display.

Specification

Voltage Rating :

3 x 220/380VAC, 50 or 60HZ

Current Rating :

Direct Connect: 5(100A) or CT: 1.5(6A)

Real-time Measurement :

Voltage, Current, Power, PF & Frequency & THD

Accuracy :

0.5 Class

Standard Refer :

IEC61557, IEC61000

Surge Test :

6KV, 1.2/50micro sec.

Insulation :

2.0KVms, 1 Min. Between voltage inputs & meter

Power Consumption :

<2VA

Expected Life :

> 50,000 hours

Display :

7 digits of LCD display, kWh

Starting Current :

20mA

Resolution :

0.1 kWh

Pulse Output :

400 pulse/kWh.

Temperature :

-10 to 55°C, 5%~95% RH

Communication :

Modbus RTU, Baudrate 9600bps (default)

Mounting Type :

35mm Surface DIN rail mounting

Size :

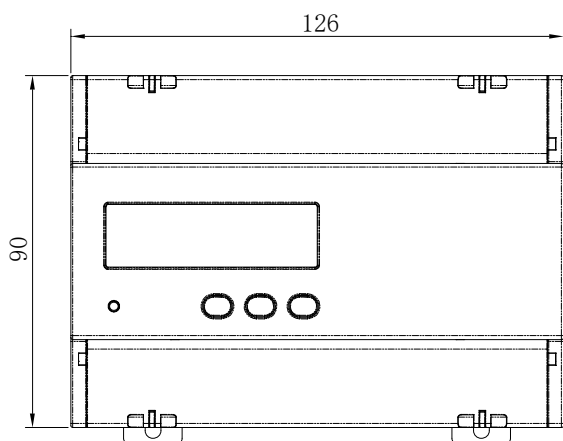
126(H)x90(W)x63.5(D)mm

Weight :

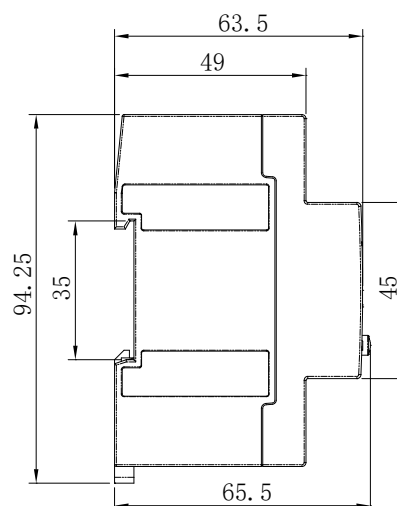
700g

Dimension

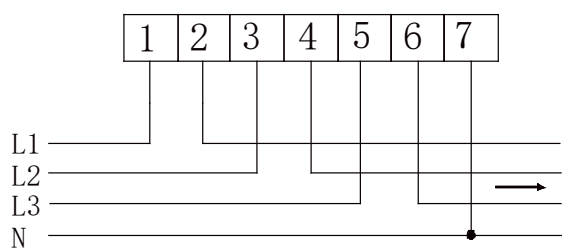
Front view



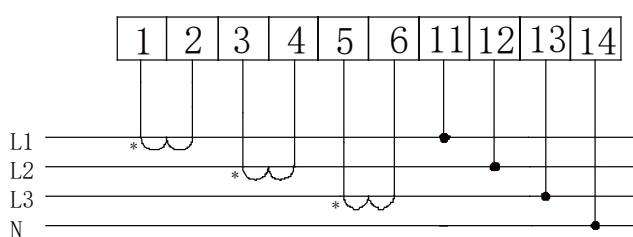
Side view



Wiring Diagram

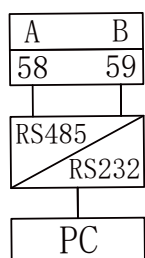


three phase four wire
direct connection

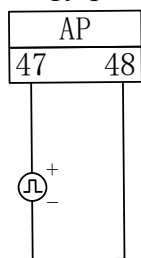


three phase four wire
connection via CT

communication



energy pulse



Order Information

