



MP - 12 1 ϕ 2W Power Meter

MPR - 12 1 ϕ 2W Power Meter (Relay output)

Features

- 4 unit V, A, KW, $\cos\theta$
- True RMS V/A
- Rate free setting
- Input / Output / Power is isolated
- RS-485 interface (Option)
- Relay output x 2, DI x 1 (MPR-12)

Specifications

Display : Red LED 0.4" high

Max. Display : 4 digits

Over range Indication : " o.L "

Conversion Rate : 1/sec.

Isolation : Input/Output/Power

Memory : EEPROM

Accuracy : $\pm 0.5\%$ FS. ± 2 digit ($23 \pm 5^\circ\text{C}$)

Operating Temp. : $0 \sim 60^\circ\text{C}$ / Below 80% R.H.

Storage Temp. : $-10 \sim 70^\circ\text{C}$ / Below 70% R.H.

Power Supply : AC 90~260V

Power Consumption : Approx. 4VA

Dielectric Strength : AC 2000V/1min (Input/Power)

Insulation Resistance : More than 100M Ω at 500VDC

Dimensions : 96(W) x 48(H) x 112.5(D)mm

Panel Cut-Out : 91.4(W) x 44(H)mm

Order Code

Model — ☐ ☐ ☐ — ☐ ☐

Input V

1 : 15~300V

2 : 30~600V

Y : Option

Input A

1 : 0.01~1A

2 : 0.05~5A

3 : 0.1~10A

Y : Option

Input Frequency

1 : 60Hz

2 : 50Hz

Power Supply

1 : AC 90~260V

Y : Option.

Output

N : none

1 : RS-485

Input

Min.Input : Voltage 5% of range

Current 1% of range

Voltage : AC 15~300V

AC 30~600V

Current : AC 0.01~1A, AC 0.05~5A, AC 0.1~10A

Burden : Voltage $\leq 0.1\text{VA}$

Current $\leq 0.2\text{VA}$

Watt : Corresponding to V x A

Power Factor : 0.001 to 1.000

Frequency : 60Hz or 50Hz

RS-485 Interface (option)

Address : 1 ~ FF

Baudrate : 115.2K, 57.6K, 38.4K, 19.2K, 9.6K, 4.8K, 2.4K

Frame : N.8.2, E.8.1, O.8.1, N.8.1

Protocol : Modbus RTU Mode

Relay output(option)

Control System : Microcomputer

Setting Range : -0 to +9999

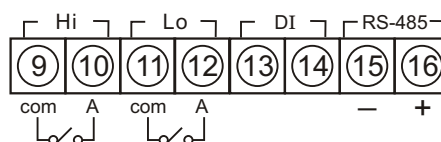
Relay Contact Capacity : AC 250V, 5A resistive load

DC 30V, 5A resistive load

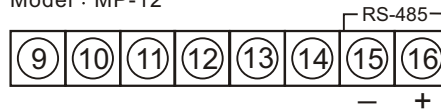
Connection Diagram

Upper

Model : MPR-12



Model : MP-12



Lower

