

Three-phase Voltmeter



Feature

Measure three-phase AC voltage or DC voltage with high-precision.

Provide LED display and local data query.

Programmable voltage transformation ratio.

Support RS-485 communications and Modbus-RTU protocol.

Support switch input, switch output and analog output.

Power supply: AC / DC 80V ~ 270V、AC 220V、AC 380V、AC 100V

There are various choices of dimensions to meet the requirements of different electrical circuit enclosure.

Technical Index

Accuracy Measurement

Voltage class: 0.5

Input Measurement

Wiring 3-phase 3-wire、3-phase 4-wire

Rated value AC 57.7V、AC 100V、AC 220V、AC 380V

Overload Sustained: 1.2 times; Instantaneous: 2 times/ 1s

Power consumption <1VA (per phase)

Impedance >300mΩ

Frequency 45 ~ 65Hz

Power supply

Working range AC / DC 80 V ~ 270 V、AC 220 V、AC 380 V、AC 100 V

Power consumption < 4 V A

Functional Module

Communication interface 1 loop RS-485 Communication, MODBUS-RTU protocol

Baud rate: 2400 ~ 19200bps, Default: 2400bps

Switching value input 4 loops switching value input, dry joint

Switching value output 3 loops relay output, capability: AC 250V/5A, DC 30V/5A

Transmission output 3 loops analog output: 0/4 ~ 20 mA or 0 ~ 5 / 10 V

Environment

Operational environment -10°C~ +55°C

Storage environment -25°C~ +70°C

Relative humidity ≤93%, in the place without corrosive gas

Height above sea level ≤2500m

Safety

Insulation resistance > 100 MΩ

AC withstand voltage AC 2KV

Electro Magnetic Compatibility

Electro-Static discharge class 4

Electrical Fast Transient pulse train class 4

Electrical surge class 4

Outline Dimension

External Dimension(mm) 120×120; 80×80; 96×48; 96×96; 80×80; 48×48; 120×60; 160×80

Cutout Dimension(mm) 111×111; 76×76; 92×45; 92×92; 68×68; 45×45; 114×56; 1