

single-phase AC amperemeter



Feature

Measure single-phase AC current or DC current with high-precision.

Provide LED display and local data query.

Programmable current 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, DC 48V, DC24V

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

Technical Index

Accuracy Measurement

Current class 0.5

Input Measurement

Wiring single phase

Rated value AC 1A、AC 5A、DC 20 mA、DC 1A、DC 5A、DC 75 mV

Overload Sustained: 1.2 times; Instantaneous: 10 times/ 5s

Power consumption < 0.4VA (per phase)

Impedance < 20 mΩ

Frequency 45 ~ 65 Hz or DC

Power supply

Working range AC/DC 80V ~ 270V、AC 220V、AC 380V、AC 100V、DC 48V、DC 24V

Power consumption <4VA

Functional Module

Communication interface 1 loop RS-485 Communication, MODBUS-RTU protocol
Baud rate: 2400 ~ 19200bps, Default: 2400bps

Switching value input 2 loops switching value input, dry joint

Switching value output 2 loops relay output, capability: AC 250V/5A, DC 30V/5A

Transmission output 1 loop 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 ≤2500 m

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(m m) 120×120; 80×80; 96×48; 96×96; 80×80; 48×48; 120×60; 160×80

Cutout Dimension(m m) 111×111; 76×76; 92×45; 92×92; 68×68; 45×45; 114×56; 152×76