

# Three-Phase AC Amperemeter



## Feature

Measure 3-phase AC 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

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 3-phase 3-wire、 3-phase 4-wire

Rated value AC 1A、 AC 5A

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

Power consumption <0.4VA (per phase)

Impedance < 20mΩ

Frequency 45 ~ 65Hz

### Power supply

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

Power consumption <4VA

### 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 x 60; 160 x 80

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