

single-phase active power meter

➤ Performance characteristics

- High-precision measurement of active power, reactive power and apparent power of three-phase power grid
- Provide digital tube or LCD display, local data query
- Current and voltage ratio can be set programmable
- Support RS-485 communication, Modbus-RTU protocol
- Support switch input, switch output, analog transmission output
- Auxiliary power supply: AC/DC 80V~270V, AC220V, AC380V, AC100V, DC48V, DC24V
- A variety of appearance options to meet the requirements of different cabinet electrical circuits



Technical indicators:

Measurement accuracy	Active power: 0.5 level
	Reactive power: 0.5 level
	Apparent power: 0.5 level

signal input	Wiring mode: single phase, three phase four wire, three phase three wire
	Rated voltage: AC 57.7V, AC 100V, AC 220V, AC 380V
	Rated current: AC 1A, AC 5A
	Overload - Voltage: 1.2 times (continuous), 2 times/1 second (instantaneous); Current: 1.2 times (continuous), 10 times/5 seconds (instantaneous)
	Power consumption Voltage: <1VA/phase, Current: <0.4VA/phase
	Impedance voltage: >300kΩ, current: <20mΩ
Frequency: 45~65Hz	

Auxiliary power	Working range: AC/DC 80V~270V, AC220V, AC380V, AC100V, DC48V, DC24V
	Power consumption: <4VA

Functional module	Communication interface: 1-way RS-485 communication, Modbus-RTU protocol
	Baud rate: 1200~9600bps, default 2400 bps
	Switch input: support 4-way dry contact input
	Switch output: support 3-way relay output, capacity: AC 250V/5A, DC 30V/5A
	Transmitter output: Support 3 analog outputs: 0/4~20mA or 0~5/10V

Environment	Working temperature: -10°C~+55°C
	Storage temperature: -25°C~+70°C
	Relative humidity: ≤93%, no corrosive gas environment
	Altitude: ≤2500m

Safety	Insulation resistance: >100MΩ
	AC withstand voltage: AC 2KV

Electromagnetic compatibility performance	Electrostatic discharge: Level 4
	Electrical fast transient burst: Level 4
	Surge (impact): Level 4