

Current Transmitter

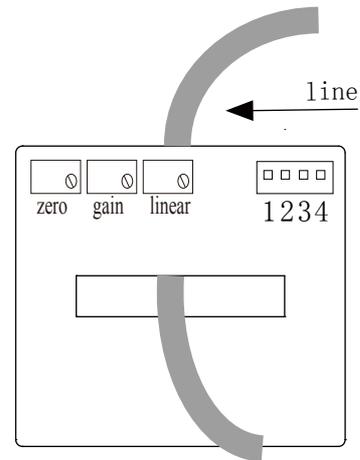
sub-plate installation, Detect DC current. High insulation between primary and secondary circuits.



Product features

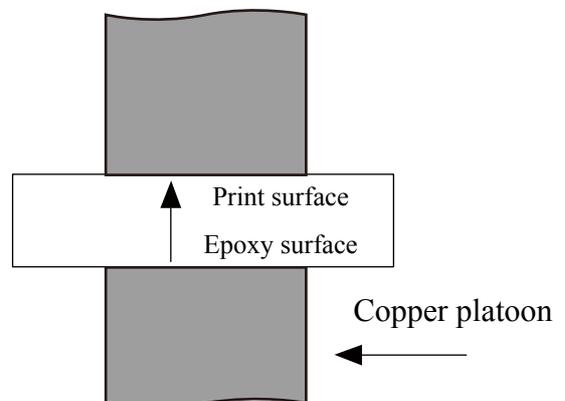
- Light weight
- Low power consumption
- Good linearity
- No insertion loss
- Fast response time
- Good anti-interference ability

Installation diagram



Product application

- Railway
- Metallurgical
- Welding machine
- Robot
- Motor
- Inverter power supply
- Variable frequency governor
- Uninterrupted power supply and communication power supply



Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Remarks

IP	Rated input	50A	100A	200A	300A	400A	500A	Standard input
IPM	Input measurement range	60A	120A	240A	360A	480A	600A	Default is 1.2 times the input rating
OUT	Rated output	0-20mA/4-20mA/0-5V/1-5V/0-10V						Output one of five 0-10V output +24V power supply
X	Accuracy	1%						
εL	Linearity	0.5%						
VC	Supply voltage (±5%)	+12V / +24V						Supply voltage range ±5%
IC	Current consumption	≤48mA+Io						Reference will be subject to the measured
RL	Load impedance	Current type output: 250Ω(Typification)			Voltage type output: ≥10KΩ			
VOE	Zero offset voltage	Current type output: ±0.08mA			Voltage type output: ±15mV			TA=25℃
TR	Response time	≤350mS						Reference will be subject to the measured
N.W	weight	101g						Reference will be subject to the measured
Ta	Operating temperature	-10~+70℃						
Ts	Storage temperature	-25~+70℃						
BW	Band width	DC						
Vd	Delectric strength	2.5KV 50Hz 1min						

Instruction for use:

1. According to the connection mode of correct connection
2. The direction indicated by an arrow for the positive current direction
3. With hole measurement, response time and following the speed for the best
4. Faulty wiring can lead to product damage and output uncertainty

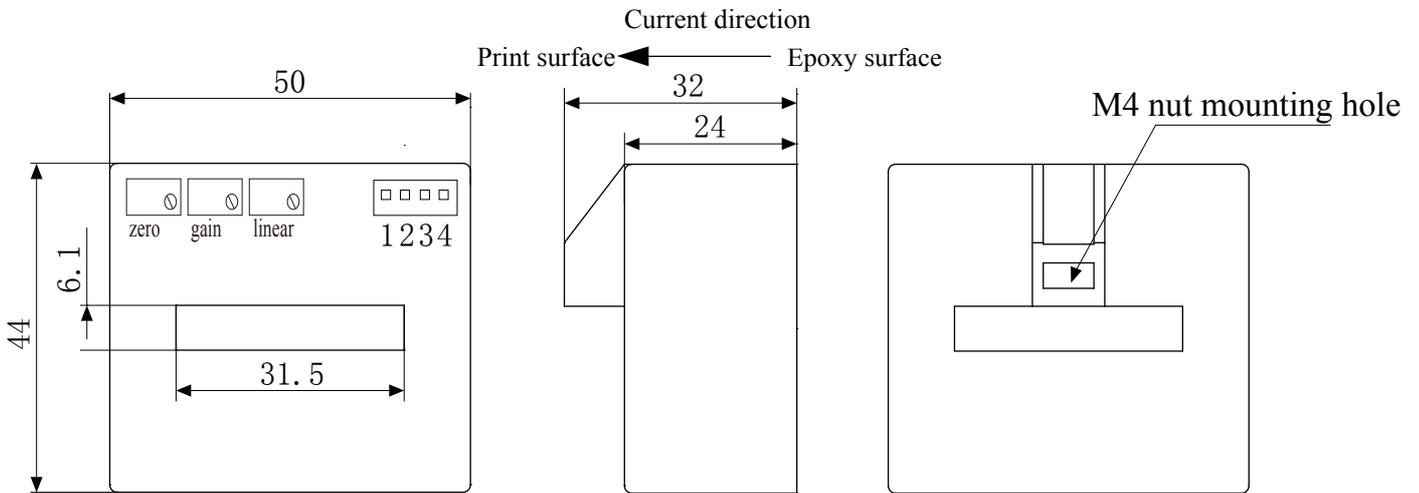
Safe operation:

- *Please read this specification carefully before use.
- *When you need to move the product, please be sure to disconnect the power and all the connected cables.
- *If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.
- *If there is any doubt about the safe operation of the equipment, the equipment and the corresponding accessories should be closed immediately, and the fastest time for troubleshooting.

Proclamations:

As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.

Dimensions(in mm±0.5) :

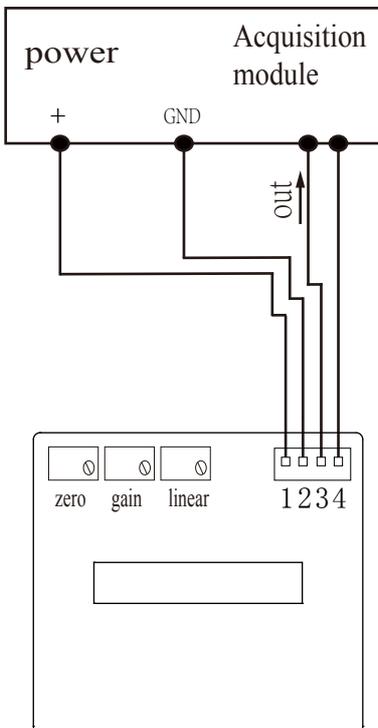


Connector Illustration



Wiring diagram:

Cold pressing terminal quick connection plug, Spacing 2.5 mm



Terminal definition:

- 1: +V
- 2: GND
- 3: out
- 4: GND

- ※①The auxiliary power supply with ripple small ($\leq 20\text{mV}$) is selected
- ②Switch on auxiliary power
- ③Auxiliary power is connected to the transmitter
- ④Transmitter detects the primary current
- ⑤Both GND internals are not isolated