

Hall open loop current sensor

 $sub-plate\ mount,\ terminal\ output. Detect\ DC, AC\ and\ pulse\ current,\ High\ insulation\ between\ primary\ side\ and\ the\ vice\ side\ circuit.$







Front view

Epoxy view

Fixed hole view

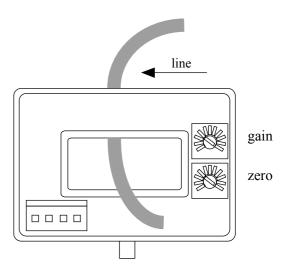
Product features

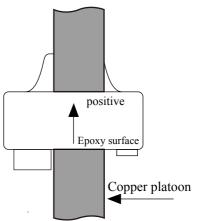
- ·Light weight
- •Low power consumption
- Good linearity
- No insertion loss
- Fast response time
- Good anti-interference ability

Product application

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

Installation diagram







Remarks.

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

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	Rated input	± 50 A	± 100 A	$\pm 200 A$	$\pm 300A$	$\pm 400 A$	$\pm 500A$	$\pm 600A$	Standard input
	Input measurement range	$\pm75A$	± 150 A	±300 A	$\pm 450 \mathrm{A}$	$\pm600\mathrm{A}$	$\pm750\mathrm{A}$	$\pm 900 \mathrm{A}$	The default is 1.5 times the rated input
t	Rated output		± 4 V						Standard output
	Accuracy		1 %						$I = I_{PN}$
	Linearity		1%						$I=0^{\sim} \pm I_{PN}$
	Supply voltage		\pm 12V/ \pm 15V						One or the other Supply voltage range±5%
	Current consumption		≤±15mA						Reference will be subject to the measured
	Load impedance		≥10K Ω						Collection port impedance while lower voltage affect accuracy
	Zero offset voltage		$\leq \pm 15 \mathrm{mV}$						TA=25°C
	Response time		≤3 μ s						Reference will be subject to the measured
	Weight		60g						Reference will be subject to the measured
	Operation temperature		-10∼+70°C						
	Storage temperature		$-25\sim+70^{\circ}\mathrm{C}$						
	Band width	DC~50KHz						Factory test according to DC	
	Delectric strength			3 K V	50Hz	1min			

Instructions for use:

I_{PN}
Ipm
Vou

 $\begin{array}{c} X \\ \epsilon L \\ Vc \\ Ic \\ R1 \\ Voe \\ Tr \\ N.w \\ Ta \\ Ts \\ Bw \\ Vd \end{array}$

- 1. According to the connection mode of correct connection
- 2. The direction shown by the arrow is positive
- 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:

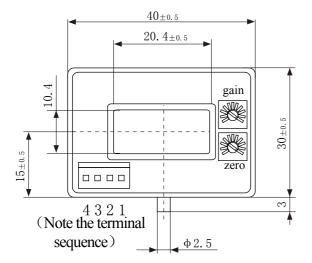
- *Please read this specification carefully before use.
- *When you need to move the product, please be sure to disconnect the power and all the connected cables.
- *If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.
- *If there 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:

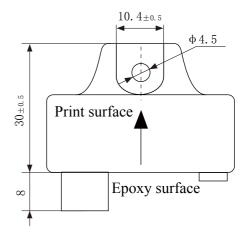
As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.



Dimensions(in mm±0.5):

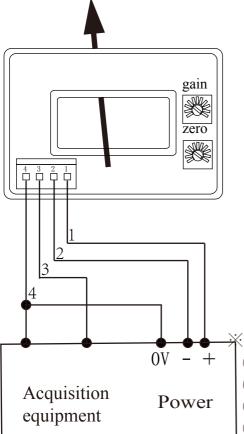


Front view



Top View

Wiring diagram



Connector Illustration:



Quick plug which spacing 2.54 mm

Terminal definition:

1: +V

2: -V

3: Vout

4: 0V

Potentiometer definition:

left: gain

right: zero

Detection:

- ①Choose the auxiliary power supply with small ripple ($\leq 10 \text{mV}$)
- 2 Switch on auxiliary power
- 3 The auxiliary power is connected to the sensor
- 4 The sensor detects the primary current