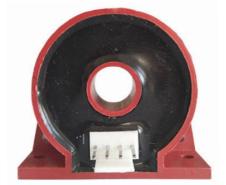


Hall closed loop current sensor

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







Front view

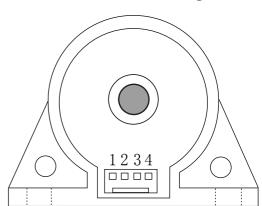
Epoxy view

Fixed hole view

Product features

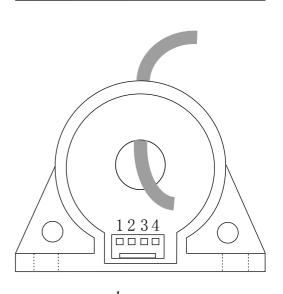
- ·Light weight
- •Low power consumption
- Good linearity
- No insertion loss
- Fast response time
- Good anti-interference ability

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:

Ιp	Rated input	±20A	±50A	±100A	Standard input
Ipm	Input measurement range	± 30A	±75A	±150A	The default is 1.5 times the rated input
Vout		$2.5V \pm 0.625V$			Standard output
X	Accuracy	1%			I=Ip
εL	Linearity	0.1%			$I=0^{\sim}\pm Ip$
Vс	Supply voltage	+5 V			Supply voltage range±5%
Ιc	Current consumption	≤15mA+Is			Reference will be subject to the measured
R1	Load impedance	≥10KΩ			Collection port impedance while lower voltage affect accuracy
Voe	Zero offset voltage	≤ ± 15mV			TA=25°C
Tr	Response time	<1 µ s			Reference will be subject to the measured
N.w	Weight	34g			Reference will be subject to the measured
Ta	Operation temperature	-25~+70°C			
Ts	Storage temperature	-25 \sim $+70$ $^{\circ}$ C			
Bw	Band width	DC~150KHz			Factory test according to DC
Vd	Delectric strength	3.5KV 50Hz 1min			

Factory commissioning:

Calculation formula: 2.5V±0.625V 0V datum

- 1. Debugging with 0V as the reference point(acquiescence) Forward direction: 2.5+ (I/IP) *0.625
- 2. Debug with Vref as the reference point(optional) Reverse direction: 2.5- (I/IP) *0.625

Instructions for use:

- 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:

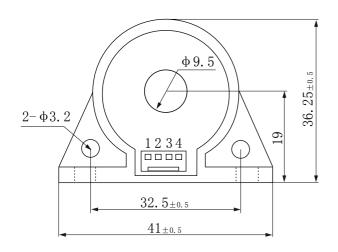
- *Please read this specification carefully before use.
- *When you need to move the product, please be sure to disconnect the power and all the connected cables.
- *If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.
- *If there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

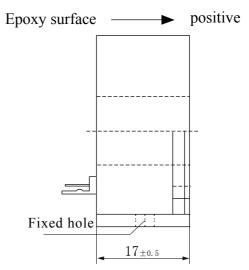


Dimensions(in mm±0.5):



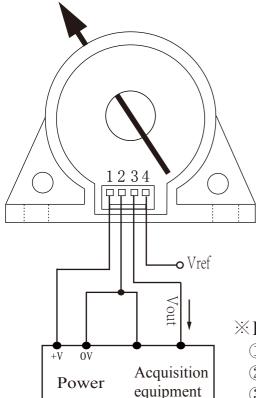
Front view

Current direction



Side view

Wiring diagram (based on 0 V)



Connector Illustration:



Quick plug which spacing 2.54 mm

Terminal definition:

1: +V

2: 0V

3: Vout

4: Vref (It can be suspended, not grounded)

X Detection:

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