THST100A

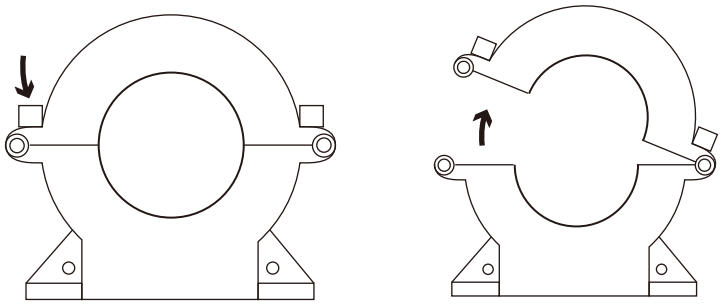
Hall split core current transducer

Sub-plate mount，terminal output.Detect AC current. High insulation between primary and secondary circuits.

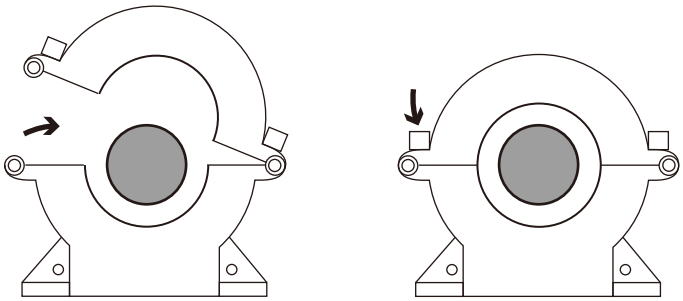
Product features

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

Installation diagram



1. Loosen the screw　　2. Open up



3. In the lead　　4. Tighten the screws

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
Rated input	500A	600A	800A	1000A	1500A	2000A	2500A	Standard input
Input measurement range	600A	720A	960A	1200A	1800A	2400A	3000A	Default is 1.2 times the input rating
Rated output	0-20mA/4-20mA/0-5V/1-5V/0-10V							Output one of five 0-10V output +24V power supply
Accuracy	1%							
Linearity	0.5%							
Supply voltage (±5%)	+12V / +24V							One or the other Supply voltage range ±5%
Current consumption	≤48mA+Io							Reference will be subject to the measured
Load impedance	Current type output: 250Ω(Typification)				Voltage type output: ≥10KΩ			
Zero offset voltage	Current type output: ±0.08mA				Voltage type output: ±15mV			TA=25℃
Response time	≤350mS							Reference will be subject to the measured
weight	1096g							Reference will be subject to the measured
Operating temperature	-10～+70℃							
Storage temperature	-25～+70℃							
Band width	DC～400Hz							
Delectric strength	3KV 50Hz 1min							

Instruction for use:

1.Connect the wires correctly according to the marked connection mode

2.With hole measurement, response time and following the speed for the best

3.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.

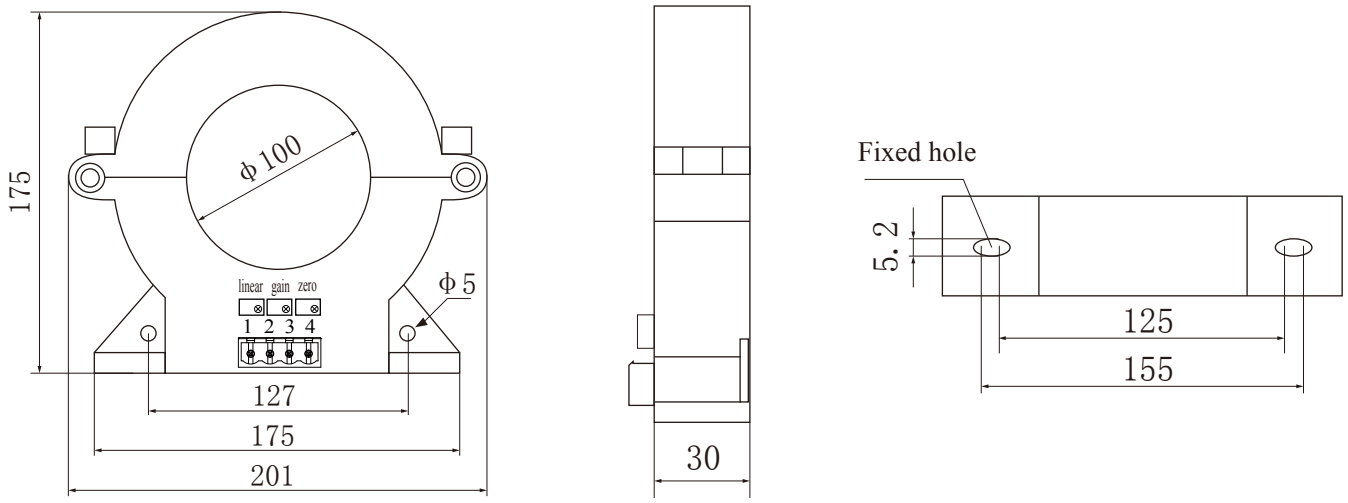
*If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.

*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.

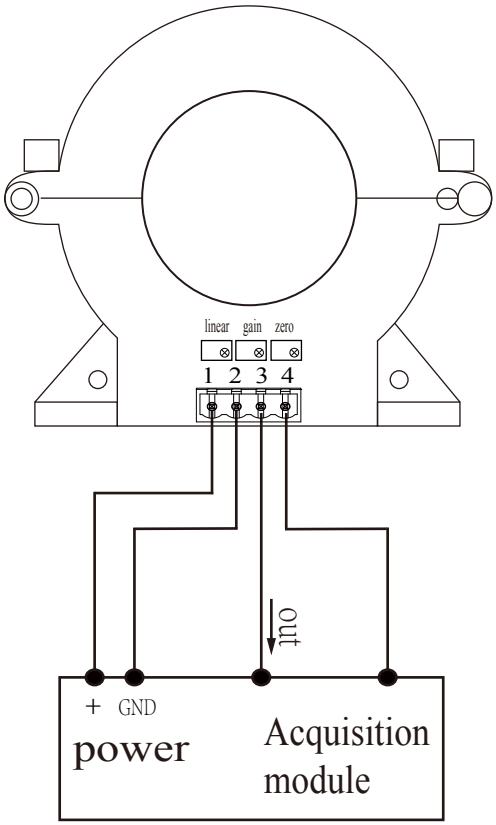
Dimensions(in mm±0.5）：



Connector Illustration

Crimping terminal fast plug2EDG-5.08-4p spacing 5.08mm

Wiring diagram:



Terminal definition:

1：+V
2：GND
3：out
4：GND

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