

HSTS016L



Detect DC, AC and pulse current, high insulation between primary side and the vice side circuit.

Product picture printing is for reference only, subject to the actual product

Product application

- Metallurgy
- Welding machine
- Robot
- Inverter power
- Inverter speed controller
- UPS uninterruptible power supply

Product features

- Light weight
- Low power consumption
- No insertion loss
- Fast response time
- Small size and beautiful appearance
- Suspended mounting and easy to use



Electrical parameters: the following parameters are typical values, the actual values shall be subject to the actual measurement of the product

Rated input	±10A	±20A	±30A	±50A	±100A	±150A	±200A
Input measurement range	±15A	±30A	±45A	±75A	±150A	±200A	±200A
Rated output	2.5V±0.625V						
Accuracy	4%+0.4A						
Linearity	1%						
Supply voltage	+5V±5%						
Current consumption	≤12mA						
Load impedance	≥10KΩ						
Zero offset voltage	≤±15mV						
Response time	≤5μs						
Weight	86g						
Operation temperature	-10℃~+70℃						
Storage temperature	-25℃~+70℃						
Band width	DC~25KHz						
Dielectric strength	2.5KV 50Hz 1min						

Calculation formula: $2.5V \pm 0.625V$

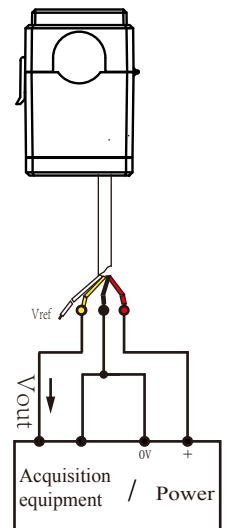
Forward direction: $2.5 + (I/I_{PN}) * 0.625$

Reverse direction: $2.5 - (I/I_{PN}) * 0.625$

I: Actual measured current

I_{PN} : Rated input current

Wiring diagram:



Cable definition:

- Red: V+
- Black: 0V
- Yellow: Vout
- White: Vref

Factory commissioning :

1. Debug with 0V as the reference point (acquiescence)
2. Debug with Vref as the reference point (optional)

Cable specification: 0.2mm² four-core shielding wire
 Four core colors: red, black, yellow, white
 Cable length: 50cm (50cm~55cm)

Dimensions (in mm ± 0.5) :

