

# HSTS016L/F



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	1%						
Linearity	1%						
Supply voltage	+5V						
Current consumption	≤14mA						
Load impedance	≥10KΩ						
Zero offset voltage	≤±15mV						
Response time	≤5μs						
Weight	81g						
Operation temperature	-10℃~+70℃						
Storage temperature	-25℃~+70℃						
Band width	DC~25KHz						
Dielectric strength	2.5KV 50Hz 1min						

Calculation formula:  $2.5V \pm 0.625V$

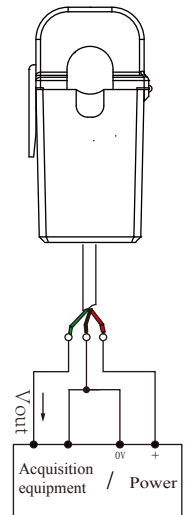
Forward direction:  $2.5 + (I/I_{PN}) * 0.625$

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

Green: Vout

Cable specification: 0.2mm<sup>2</sup> three-core shielding wire

Four core colors: red, black, green

Cable length: 50cm (50cm~55cm)

### Dimensions (in mm±0.5) :

