

# HTS25



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

Change the connection mode of primary bus-bar can be converted into three measuring range.

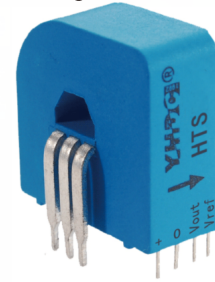
### Product application

- 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
- PCB installation and easy to use

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



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

|                         |                      |
|-------------------------|----------------------|
| Rated input             | ±25A                 |
| Input measurement range | ±22.5A               |
| Rated supply voltage    | +5V                  |
| Rated output            | 2.5V±0.625V          |
| Accuracy                | 1%                   |
| Linearity               | 0.1%                 |
| Current consumption     | ≤20mA+I <sub>s</sub> |
| Load impedance          | ≥10KΩ                |
| Zero offset voltage     | ≤±15mV               |
| Response time           | ≤0.5μs               |
| Weight                  | 9g                   |
| Operation temperature   | -25℃~+70℃            |
| Storage temperature     | -25℃~+70℃            |
| Band width              | DC~150KHz            |
| Dielectric strength     | 3KV 50Hz 1min        |

| Primary turns | Rated input (A) | Rated output (V) | connection way of primary pins |
|---------------|-----------------|------------------|--------------------------------|
| 1             | ±25             | 2.5±0.625        |                                |
| 2             | ±12             | 2.5±0.625        |                                |
| 3             | ±8              | 2.5±0.625        |                                |

Calculation formula:  $2.5V \pm 0.625V$

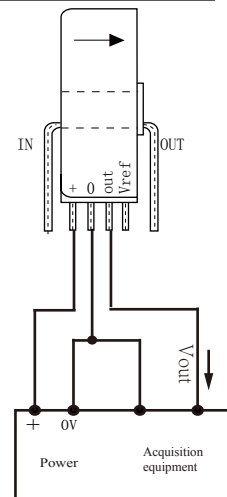
Forward direction:  $2.5 + (I/I_{PN}) * 0.625$

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

I: Actual measured current

I<sub>PN</sub>: Rated input

### Wiring diagram:



### Dimensions (in mm ±0.5) :

