

HVS4117



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

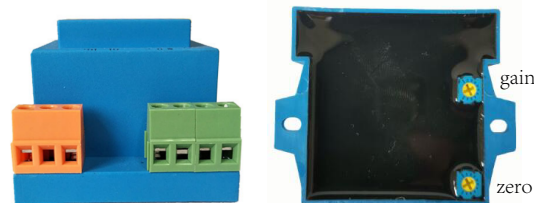
- Metallurgy
- Welding machine
- Inverter power
- Inverter speed controller
- UPS uninterruptible power supply

Product features

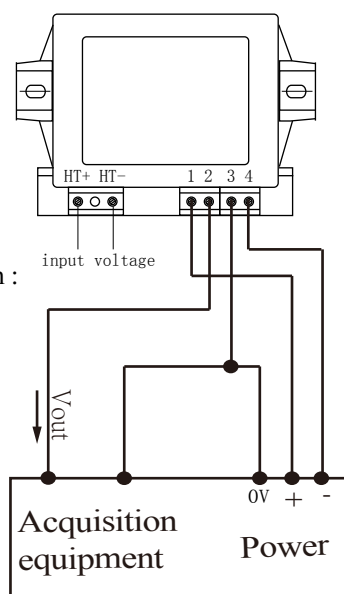
- Light weight
- Low power consumption
- Beautiful appearance
- Fast response time
- No insertion loss
- Sub-plate mounting and easy to use

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

Rated input	±50V	±100V	±200V	±300V	±400V	±500V
Input measurement range	±75V	±150V	±300V	±450V	±600V	±750V
Rated output	2.5V±0.625V					
Accuracy	1%					
Linearity	0.2%					
Supply voltage	+5V±5%					
Current consumption	≤20mA+I _s					
Load impedance	≥10KΩ					
Zero offset voltage	≤±30mV					
Response time	40~200μs					
Weight	103g					
Operation temperature	-10℃~+70℃					
Storage temperature	-25℃~+70℃					
Band width	-					
Dielectric strength	3.5KV 50Hz 1min					



Wiring diagram:



Terminal definition:

- 1: V+
- 2: Vout
- 3: Vref
- 4: 0V
- HT
- +HT

Calculation formula: $2.5V \pm 0.625V$

Forward direction: $2.5 + (V/V_{PN}) * 0.625$

Reverse direction: $2.5 - (V/V_{PN}) * 0.625$

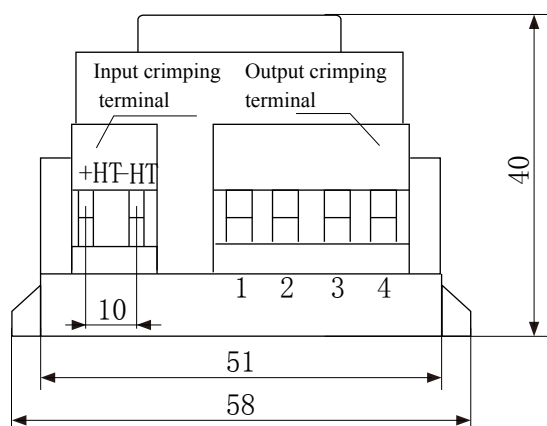
I: Actual measured voltage

I_{PN}: Rated input voltage

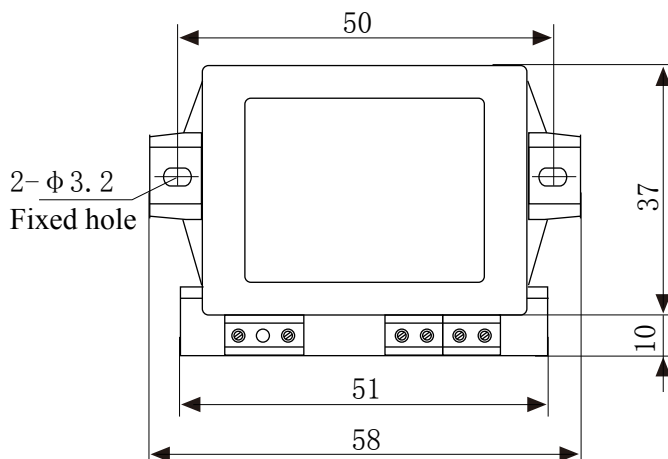
Factory commissioning:

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

Dimensions (in mm±0.5):



Front view



Top view