HVS301

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 mahine
- •Inverter power
- •Inverter speed controller
- •UPS uninterruptible power supply

Product features

- •Light weight
- •Low power consumption
- •Beautiful appearance
- •Fast response time
- •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	±1000V	±2000V
Input measurement range	±1500V	±3000V
Rated output	2.5V±0.625V	
Accuracy	1%	
Linearity	0.2%	
Supply voltage	+5V±5%	
Current consumption	≤20mA+Is	
Load impedance	≥10KΩ	
Zero offset voltage	≤±30mV	
Response time	40~200µs	
Weight	514g	
Operation temperature	-10℃~+70℃	
Storage temperature	-25℃~+70℃	
Band width	-	
Delectric strength	3.5KV 50Hz 1min	

Calculation formula: 2.5V±0.625V

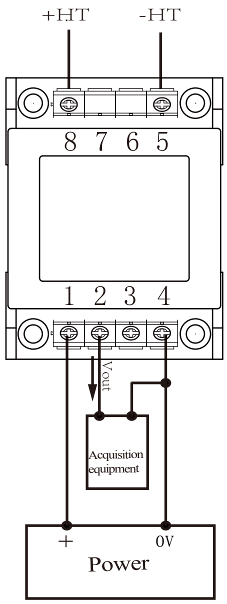
Forward direction: $2.5+(V/V_{PN})*0.625$

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

I:Actual measured voltage

I_{PN}:Rated input voltage

Wiring diagram:



Terminal definition:

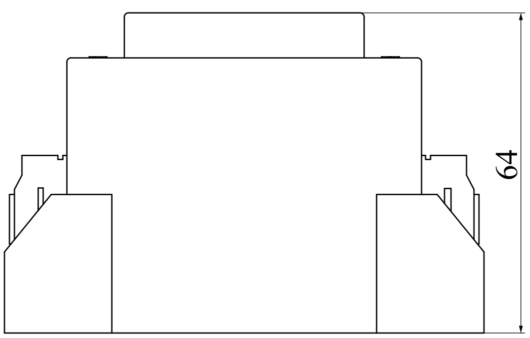
1: V+
2: Vout
3: Vref
4: 0V
5: -HT
8: +HT
6: Without terminal
7: Without terminal

Factory commissioning:

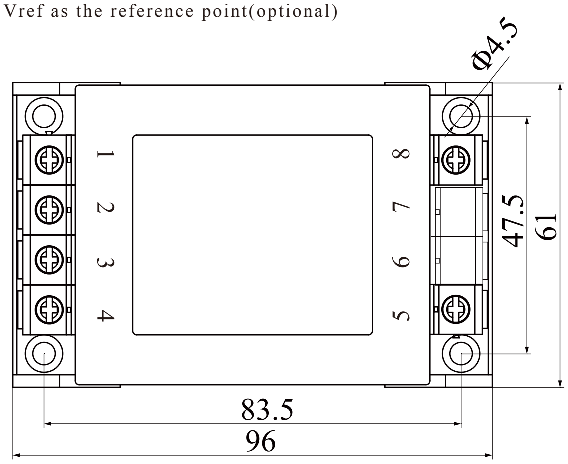
1.Debug with 0V as the reference point(acquiescence)

2.Debug with Vref as the reference point(optional)

Dimensions(in mm±0.5):



Front view



Top view