

# HKW22-S1



Detect DC, AC, pulse current, and high insulation between the primary and secondary circuits.

Product picture print for reference only, subject to the actual product

## Product application

- Metallurgical
- Welding machine
- Robot
- Inverter power supply
- Frequency conversion governor
- UPS uninterruptible power supply

## Product features

- Light weight
- Low power consumption
- No insertion loss
- Fast response time
- Small size, beautiful appearance
- PCB installation, 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	±200A	±300A	±400A	±500A	±600A	±800A
Input measuring range	±300A	±450A	±600A	±750A	±900A	±1200A
Rated output	2.5V ± 1.25V					
Accuracy	1%					
Linearity	1%					
Supply voltage	+5V ± 5%					
Current consumption	≤ 26mA					
Load impedance	≥ 10K Ω					
Zero offset voltage	≤ ± 15mV					
Response time	≤ 10 μs					
Weight	52g					
Operating temperature	-10 ~ +70 °C					
Storage temperature	-25 ~ +70 °C					
Band width	DC ~ 50KHz					
Dielectric strength	2.5KV 50Hz 1min					

Calculation formula:  $2.5V \pm 1.25V$

Forward:  $2.5 + (\text{measured current}/\text{rated current}) * 1.25$

Reverse:  $2.5 - (\text{measured current}/\text{rated current}) * 1.25$

## Pin definition:

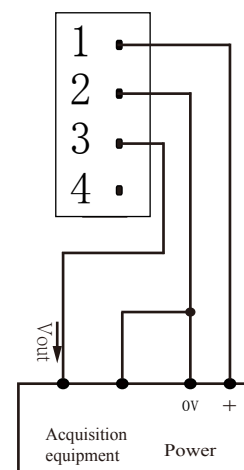
- 1: V+
- 2: 0V
- 3: Vout
- 4: Vref

## Factory commissioning:

Debug with 0V as reference point (default)

Debug with Vref as reference point (optional)

## Wiring diagram



## Dimensions(in mm±0.5) :

