

High Precision AC/DC Current Sensors

KIFHY-1 Series (6A, 15A, 25A & 50A)



FEATURES

- DC/AC & Phase Current Measurement in a complete isolated structure.
- Unipolar %V Power Supply
- PCB Mount Type
- High-Speed Response (approx. 0.3μsec.)
- Standard Voltage Function built-in.
- Applicable Frequency DC to 300kHz.

APPLICATIONS

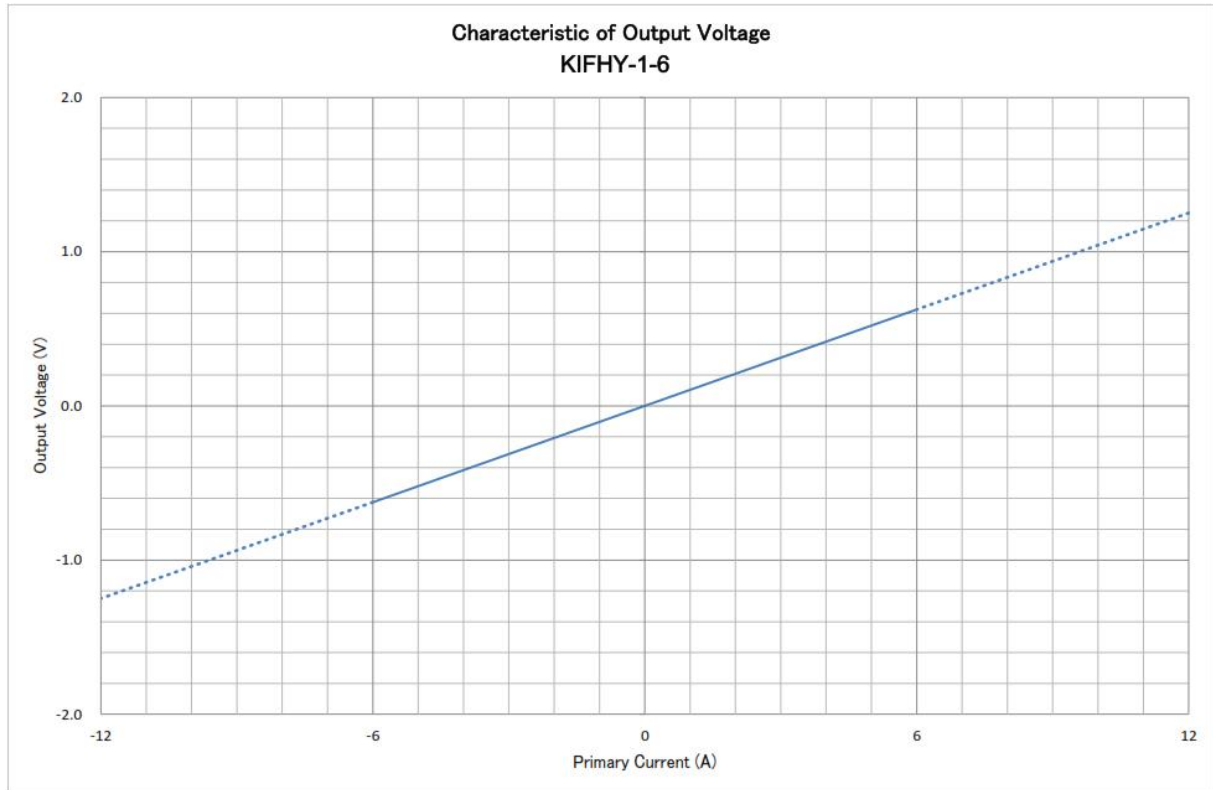
- UPS & SMPS Power Supplies
- Servo Motor Drive
- Solar Inverters
- Power Supplies for Welding Machines
- DC Motor Drives

SPECIFICATIONS

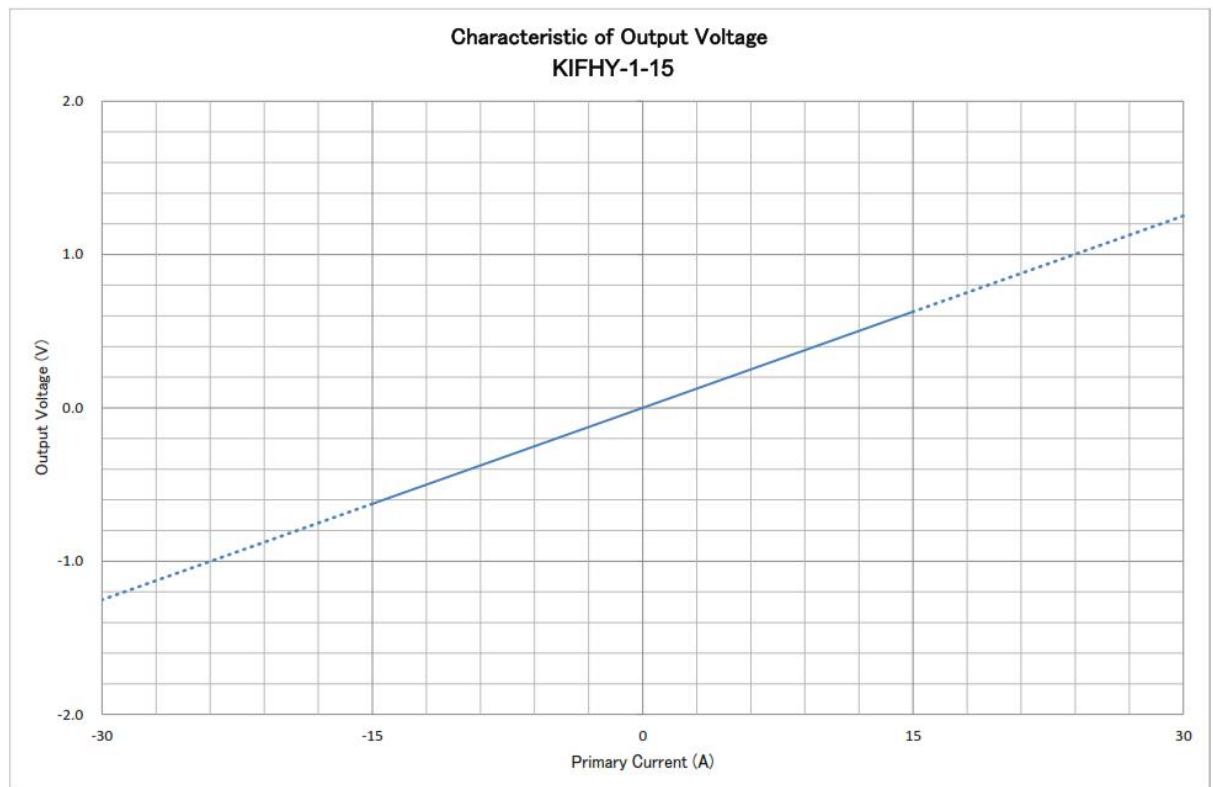
Model	KIFHY-1-6	KIFHY-1-15	KIFHY-1-25	KIFHY-1-50
Rated Primary Current	±6A	±15A	±25A	±50A
Max. Applicable Current	±20A	±51A	±85A	±150A
Power Supply Voltage	DC5V±5%			
Output Voltage	625mV at Rated Primary Current (between Ref. & Out)			
Output Accuracy	±1.5% (including DC current offset)			
Output Linearity	Less than ±0.2%			
Influence of Terrestrial Magnetism	Less than ±5mV			
Influence of Magnetization	Less than ±2mV			
Consumption Current	25mA	30mA	35mA	55mA
Response Time	Approx. 0.3μ sec. (90% of Rated Primary Current)			
Temperature Coefficient	Less than ±60ppm/°C			
Withstanding Voltage	AC4KV/1 minute (between through hole and output)			
Ambient Operating Temp.	-40°C ~ 105°C (less than 85%RH, w/o condensation)			
Ambient Storage Temp.	-5°C ~ 105°C (less than 85%RH, w/o condensation)			
Material of Outer Case	PA (based on UL94V-0)			
Color of Outer Case	Black			
Dimension	16.2(W) x 21.7(H) x 23.0(D) mm			
Weight	Approx. 10g			
Environmental Standard	Conforming RoHS Directive			
Terminal Pin Layout Left to right (front view)	+: Supply +5V; 0V: Supply 0V; Out: Signal Output, Ref.: Output GND			

OUTPUT SPECIFICATIONS

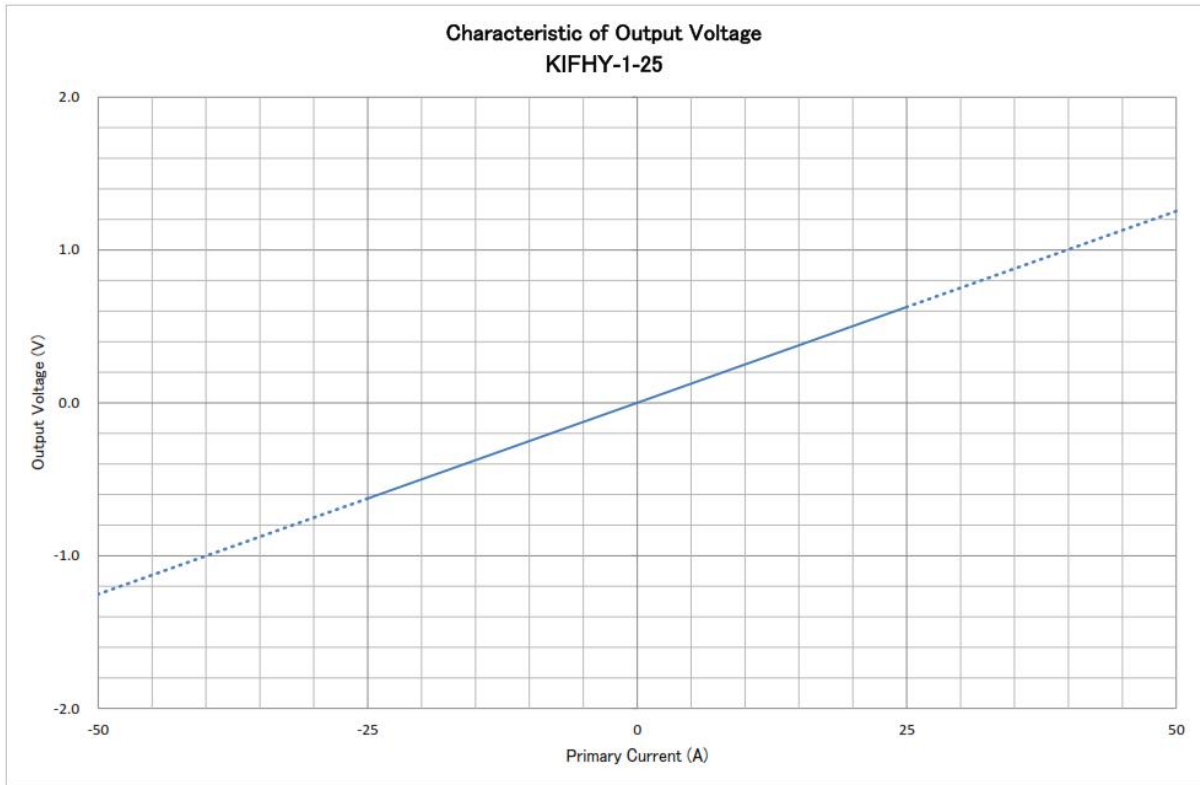
KIFHY-1-6



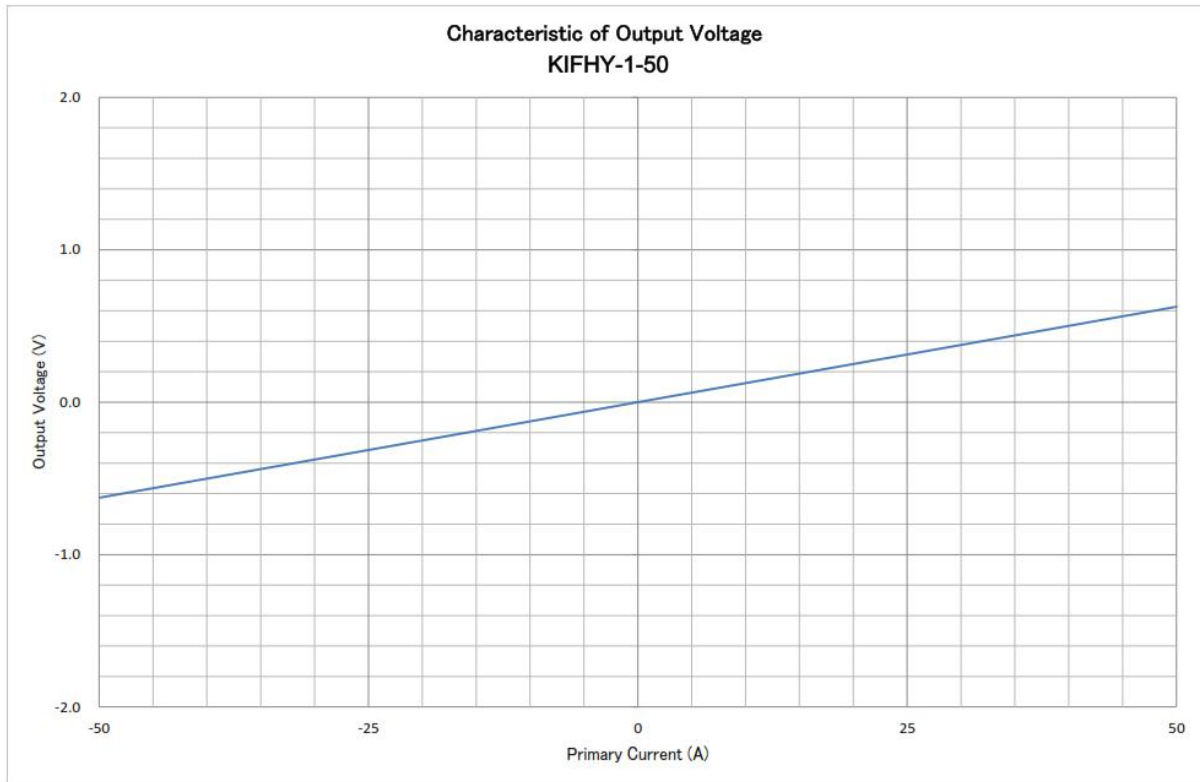
KIFHY-1-15



KIFHY-1-25



KIFHY-1-50



We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Scan here and get an overview of personal contacts!



sensorsandpower.angst-pfister.com
