

Hall Effect Class 0.5 Current Transformer

This Class 0.5 hall effect current transformer is designed for accurate current measurement. It is suitable for mounting on walls or bus bars.



ADDITIONAL IMAGES



Overview

Advanced Hall Effect Current Sensing

This dismountable Hall effect current sensor provides precise DC current measurement using the Hall effect principle, ensuring galvanic isolation between primary and secondary circuits. Its open-loop design generates an electronic output signal compatible with PLC or DSP control systems, making it ideal for industrial automation and power quality monitoring. With high immunity to external interference and a non-contact measurement method, it offers a reliable, low-maintenance solution for demanding electrical environments.

Key Features

- No insertion losses
- Small size, easy installation
- Low power consumption
- Linear Output Characteristics
- High immunity to external interference
- Non-contact measurement
- Short response time

Technical Specifications

Electrical Performance

600 A

Max Measure Range

3 kV

Galvanic Isolation

1000 M Ω

Isolation Resistance

Operating Conditions

| Parameter | Range |
|-----------------------|--------------|
| Operating Temperature | -25 to +70°C |
| Storage Temperature | -40 to +85°C |
| Power Consumption | <30mA |

Supply Voltage Options

$\pm 12V$, $\pm 15V$, $+12V \sim +24V$

Applications

Recommended Applications

Industrial Automation • Welding Equipment • Variable Speed Drives • Power Quality Monitoring • SMPS • UPS • Battery Systems