

Open Loop Hall Effect Current Sensor

This open-loop current sensor is based on the Hall effect principle and measures AC and DC currents. It provides electrical isolation between the primary and secondary circuits, with an analog output signal proportional to the measured current.



ADDITIONAL IMAGES



Overview

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This open-loop Hall effect current sensor is engineered for the precise isolation and conversion of AC, DC, and complex pulse signals. It provides a reliable interface for AD, DSP, and PLC systems, making it an essential component for power monitoring, inverter systems, and motor drives. With its compact design and high-precision output, it ensures seamless integration into demanding industrial control environments.

Performance Metrics

Rated Input Range

50 A

Minimum Input

500 A

Maximum Input

Rated Output

4-20mA

Technical Specifications

Auxiliary Power Supply	12V, 24V
Measuring Aperture	20 mm

Key Features

Key Advantages

- Quick response time
- Wide measurement range
- High precision and linearity
- Strong overload capacity
- Excellent anti-interference performance
- Compact package size
- Low power consumption

Applications

Typical Applications

Current Monitoring • Battery Management • Inverters • Solar Power • DC Motor Drives • Electroplating • Welding • UPS Systems