



## Product Description

# Hall Sensor Series

Hall Current Sensors





## Hall Current Sens



### Introduction

Hall current sensor is a direct-detection current sensor using Hall open-loop principle. The product selects high-performance Hall chip through the reasonable design of the magnetic circuit structure and supplemented by multi-channel temperature automatic compensation technology to ensure that the product's anti-magnetic performance and temperature stability, because of its small size, high precision and widely acclaimed.

### Key Features

Small size and high accuracy

### Product Application Description

- Epoxy resin one-piece potting to meet IP67 grade waterproof.
- Wide range of DC18~36V power input with internal isolation to reduce signal crosstalk.
- Current signal output with strong anti-interference ability is suitable for long-distance transmission.
- Optional signal isolation box with 6-channel fully isolated signal output.



### Main technical indicators

- Accuracy : 0.2%, 0.5%
- Linearity: 0.1%
- Measuring range: 0-5kA, 0-50kA, 0-320kA. dozens of range specifications.
- the output signal: 0-5V, 0-20mA, 4-20mA and so on for the user to choose (can be single-selected or multi-selected).
- load capacity: voltage signal (load resistance  $\geq 10k$ ), current signal (load resistance  $\leq 250\Omega$ )
- response time:  $<10\mu S$ ,  $<1mS$
- Operating voltage: DC18 ~ 36V or AC200 ~ 240V (50HZ)
- Typical power consumption:  $<10VA$

### Common external dimensions

Current specification	5~15KA	10~15KA	15~20KA	30~40KA	Customized specifications
Window dimension A	200	200	270	330	Customized dimension
Window dimension B	100	360	410	490	Customized dimension