

# DC Multi-Function Transducer

This transducer accurately measures and converts DC signals. It provides reliable isolation and conversion of DC voltage or current inputs into industry-standard output signals, suitable for monitoring and control applications.



## Product Overview

### High-Performance DC Measurement

This multi-function DC current measurement isolation transducer utilizes advanced Hall effect technology for precise signal conversion. Designed for industrial reliability, it offers high isolation pressure and strong surge voltage suppression to protect sensitive control systems. Its compact, perforated input design ensures easy installation in various automated control environments, including PLC and data acquisition systems.

## Technical Specifications

Measurement Principle	Hall Effect
Input Mode	Perforated
Maximum Overload Current	500 A
Overload Duration	1 second

## Electrical Characteristics

### Load Impedance Requirements

**2 K $\Omega$**

Voltage Output Load

**250  $\Omega$**

Current Output Load

Power Supply Port Isolation	4000 V
Output Port Isolation	2000 V

## Key Features

Performance Features	High Stability, Low Temperature Drift, High Reliability, Surge Voltage Suppression
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## Applications

### Typical Applications

- Computer field data acquisition
- Industrial control
- PLC control systems
- Automated control systems