

DC Voltage Transducer

This DC voltage transducer converts DC voltage signals into proportional output signals. It provides accurate and reliable measurement and isolation of DC voltage in various industrial applications.



Product Overview

High-Precision DC Voltage Isolation

This three-isolated DC voltage transducer utilizes advanced photoelectric isolation technology to detect DC voltage signals and convert them into standard industrial outputs. Designed for reliability and safety, it offers complete isolation between input, output, and power supply, ensuring signal integrity in demanding environments. With high accuracy and low temperature drift, it is an ideal solution for computer data acquisition, PLC control, and industrial automation systems.

Performance Metrics

Accuracy

0.2 %

Accuracy Class

Isolation Voltage

2500 VDC

Electrical Specifications

Output Signals

- 0 ~ 5V
- 0 ~ 10V
- 0 ~ 20mA
- 4 ~ 20mA

Power Consumption

Output Type	Max Consumption
Voltage Output	d400mW
Current Output (4~20mA)	d800mW

Auxiliary Power

+12 V

Safety & Environment

Load Impedance

Signal Type	Impedance
Voltage Output	e2kΩ
Current Output	d25Ω

Surge Protection

2KV Surge Impact Resistance, Power Port Protection, Analog I/O Port Protection

Installation & Design

Typical Applications

Computer Data Acquisition • Industrial Control • PLC Control • Automatic Control Systems

Mounting

Rail installation