

# 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	≤40mW
Current Output (4~20mA)	≤80mW

### Auxiliary Power

+12 V

## Safety & Environment

### Load Impedance

Signal Type	Impedance
Voltage Output	≥2kΩ
Current Output	≤25Ω

### 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