

2000434 Current Transmitters



- ✓ Isolates and converts DC current signals into standard analog signals
- ✓ 0-1A Input (model 2000434-1X), 0-10A Input (model 2000434-10X)
- ✓ 4-20mA Output
- ✓ DC 24V Power Supply (DIN-P24 Sold separately)
- ✓ Working Temperature -20°C ~55°C
- ✓ R250 4-20mA Current Loop Shunt Resistor Included
- ✓ CE Compliance

Introduction

Isolates and converts DC current signals into standard analog signals and transmits them to PLC, DCS, and display instruments, which can provide 24VDC power distribution for two-wire instruments.

DIN rail independent installation method; high-efficiency, high linearity, low temperature drift, etc.

Specifications

- Input Signal: 0-1A (model 2000434-1X), 0-10A (model 2000434-10X)
- Distribution Voltage: 24V, Maximum driving current 30mA
- Output signal: 4-20mA
- Output Load Resistance: $R_L \leq 500\Omega$ (Output is a current signal)
- Power Supply: DC 24V (DIN-P24 Sold separately)
- Consumption Current: $\leq 50\text{mA}$ 1in 1out, power input, 20mA Output
- Temperature Drift: 0.005%F.S/ $^{\circ}\text{C}$ ($-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$)
- Response Time: $\leq 10\text{ms}$ (0-90%)(TYP)
- Insulation Grade: 1500V AC/1min (Between input, output, power)
- Insulation Resistance: $\geq 100\text{M}\Omega$ (Between input, output, power)
- Working Temperature: $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- 4-20mA Current Loop Shunt Resistor Included
- EMC: CE Compliance, GB/T 18268 (IEC61326-1)

Compatible with all DATAQ Instruments Hardware Products. Popular products include:

- DI-2108: <https://www.dataq.com/products/di-2108/>
- DI-2108-P: <https://dataq.com/products/di-2108-p/>
- DI-4108: <https://www.dataq.com/products/di-4108-e/>
- DI-4208: <https://www.dataq.com/products/di-4208-e/>
- DI-4718B (with 8B modules): <https://www.dataq.com/products/di-4718b/>
- DIN-P24 Power Supply must be purchased separately

Dimensions and Wiring

