2000442-1000X Current Transmitter

- ✓ **Convert high-current industrial signals into standard analog signals**
- ✓ **0-1000A Input**
- ✓ **4-20mA Output**
- ✓ **DC 24V Power Supply (DIN-P24 Sold separately)**
- ✓ **Isolation withstand Voltage: 2.5kV/50Hz, 1 Min**
- ✓ **Working Temperature: -10°C ~ +70°C**
- ✓ **25 mm Aperture**
- ✓ **R250 4-20mA Current Loop Shunt Resistor Included**
- ✓ **CE Compliance**

DATAQ®
INSTRUMENTS

Introduction

DATAQ Instruments' 2000442-1000X operates on the open-loop direct test principle and is designed to measure DC, AC, pulse currents, and other waveform currents. It offers an excellent performance-to-price ratio, with features such as low power loss, compact size, light weight, easy installation, perforation input, and no insertion loss. This makes it suitable for various applications, including frequency control systems, electric welding machines, electrochemical equipment, power monitoring, electric locomotives, and motor start protection.
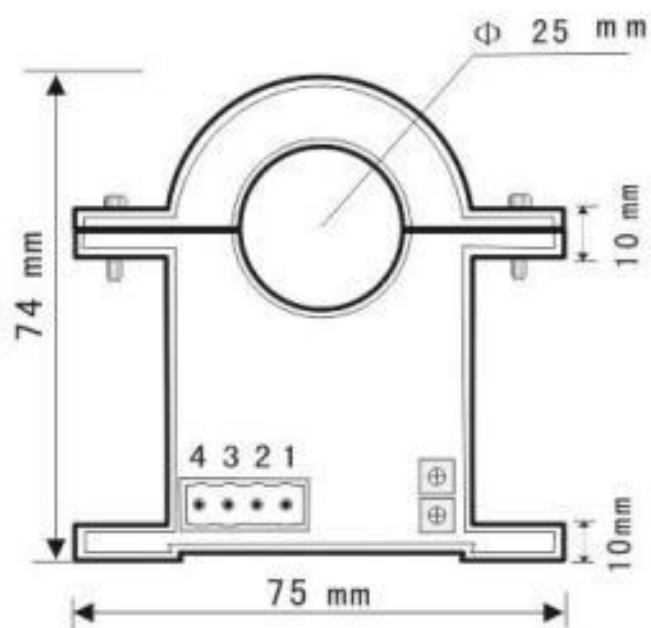
Specifications

- Input current range: 0-1000A

- Output signal: 4-20mA

- Aperture: 25mm

- Power: DC 24V (DIN-P24 Sold seperately)

- Load Capacity: Voltage Output 6V, Current Output 5mA

- Linearity: 0.2%

- Basic Accuracy: ≤0.2% F.S.

- Isolation withstand voltage: 2.5kV/50Hz, 1 Min

- Offset Voltage: ≤20mvV

- Temperature Drift: ≤500ppm/°C

- Response Time: <200ms

- Bandwidth: DC~20KHz

- DI/DT Follows: >50A/uS

- Current Consumption: ≤25mA

- Working Temperature: -10°C~+70°C

- Storage Temperature: -25°C~+85°C

- Installation method: Flat screw fixing

- 4-20mA Current Loop Shunt Resistor Included

- EMC: CE Compliance

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
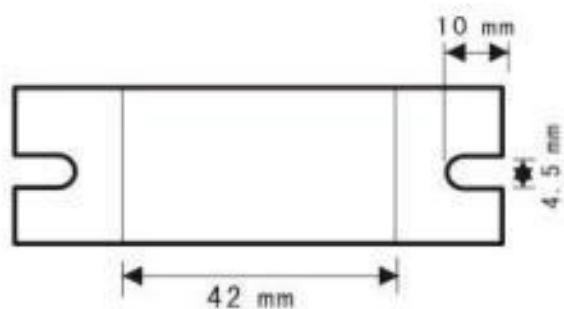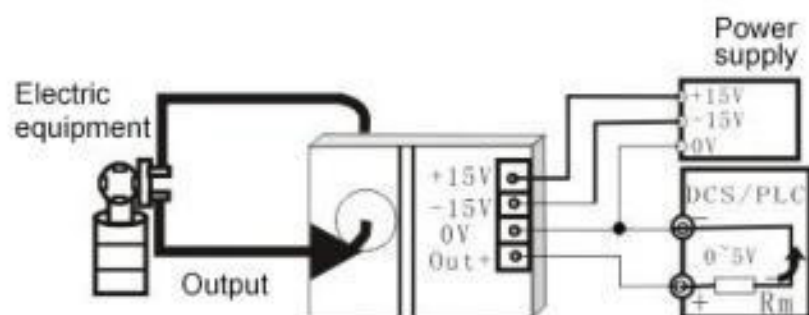

Front view

Side view

Bottom view

Side connection:　1. +15V　2. −15V
　　　　　　　　3. Output　4. 0V