

2000440-500X AC Current Transmitter



- ✓ Convert high-current industrial signals into standard analog signals
- ✓ 0-500A Input, Contact DATAQ for 0-100A, 0-1000A
- ✓ 40-60 Hz Frequency Range
- ✓ 4-20mA Linear Output, Optional 0-10V
- ✓ Basic Accuracy $\pm 0.2\%$ FS
- ✓ Response Time: $\leq 10\text{ms}$ (0-90%)
- ✓ 35 mm Aperture
- ✓ R250 4-20mA Current Loop Shunt Resistor Included
- ✓ CE Compliance

Introduction

DATAQ Instruments' 2000440 series AC current transmitter adopts Hall Principle to directly convert the high- current signal from the industrial field into the standard linear analog signal.

The input, output, and power supply are reliably isolated from each other.

Specifications

- Input current range: 0-500A AC (Contact DATAQ for customization of 100A and 1000A)
- Frequency range: 40-60Hz
- Output signal: 4-20mA, Optional 0-10V
- Aperture: 35mm (Contact DATAQ for customization)
- Power: DC 24V
- Rated power consumption: $\leq 1\text{W}$
- Basic Accuracy: $\leq 0.2\%$ F.S.
- Temperature Drift: 0.2% F.S./ $^{\circ}\text{C}$ ($-30^{\circ}\text{C}\sim+85^{\circ}\text{C}$)
- Response Time: $\leq 10\text{ms}$ (0-90%) (TYP)
- Insulation Strength: 3000V AC/1min (input, output, and power)
- Working Temperature: $-30^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- 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

