

C Series Single Channel Millivolt Transmitter

→ Introductions

This millivolt transmitter converts the millivolt signals to current or voltage or 1:1 millivolt signals. The input, output, and power supply are galvanically isolated from each other. DIN rail power supply function can be selected in ordering. The main advantages of the isolator are fast response, low dissipation and temperature stability. It can be interfaced with all kinds of device, such as DCS, PLC and other systems.

→ Parameters

Power supply:

Connection type: Terminals (9+, 10-) or DIN rail connector

Rated voltage: 18 V DC ~ 60 V DC (Recommended voltage: 24 V DC)

Input signal(1, 2): millivolt

Input resistance: > 100 MΩ

Output (5, 6; 7, 8):

Current: 0(4) ~ 20 mA; 0 ~ 10 mA

Voltage: 0(1) ~ 5 V; 0 ~ 10 V

1:1 millivolt

Load resistance:

0(4) ~ 20 mA: $\leq 550 \Omega$; 0 ~ 10 mA: $\leq 1.1 \text{ k}\Omega$

0(1) ~ 5 V: $\geq 1 \text{ M}\Omega$; 0 ~ 10 V: $\geq 2 \text{ M}\Omega$

1:1 millivolt: $\geq 100 \text{ k}\Omega$

Transmission characteristics:

Accuracy: $\pm 0.1\%$ F.S. (25 °C ± 2 °C)

Response time: $\leq 0.5 \text{ s}$

Temperature drift: 30 ppm/°C

Electromagnetic compatibility:

Nanjing New Power Electric Co., Ltd.

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