

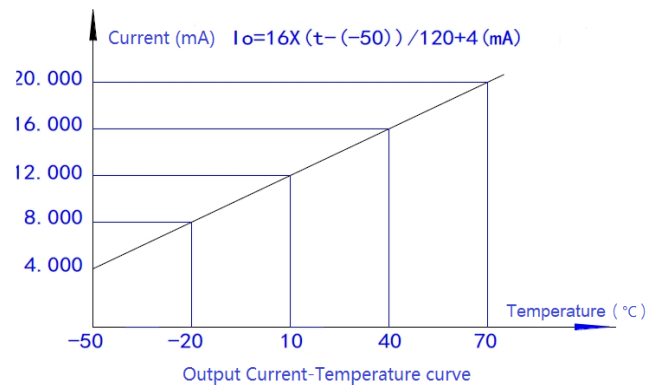
Temperature Transmitter NCT7A

The NCT7A temperature transmitter integrates a platinum resistance temperature sensor with signal conditioning, including circuit conversion and non-linearity compensation, to output a standard 4~20 mA current signal. With excellent performance and high reliability, it is widely used in various temperature measurement and control applications.

Parameters

Operating Parameters

- Operating Temperature: -40°C~+85°C
- Storage Temperature: -40°C~+125°C
- Measurement Range: -50°C~+70°C
- Output Signal: 4~20mA DC
- Accuracy: $\pm 0.5\%$ FS
- Non-Linearity: $\pm 0.2\%$ FS
- Probe Length: 25mm
- Supply Voltage: 12~30VDC
- Insulation Resistance: $\geq 100\text{M}\Omega$
- Load Capacity: $\leq 250\Omega@15\text{V}$
 $\leq 750\Omega@24\text{V}$
- Shock & Vibration Resistance: Compliant with national railway standards



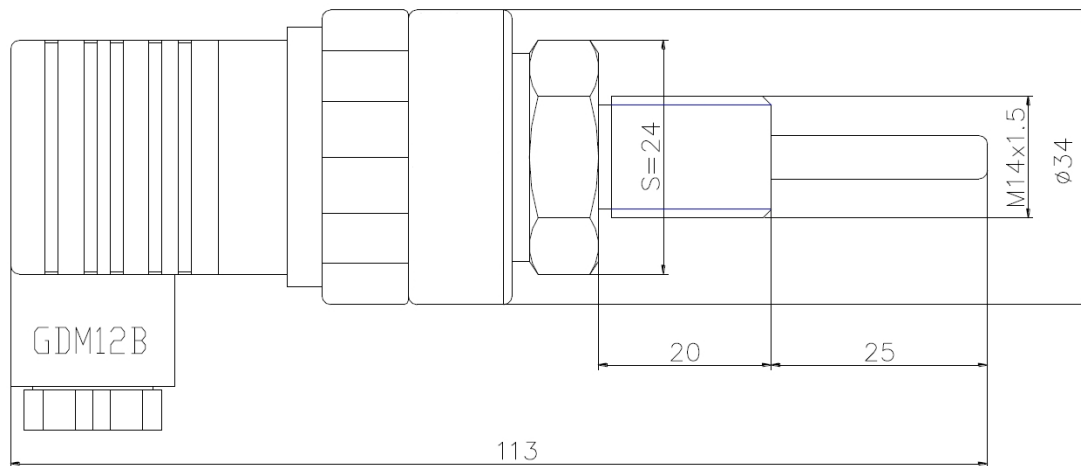
Wiring Configuration

PIN 1: Power Supply+

GND: Connected to housing

PIN 2: Power Supply-

Outline & Interface



- Mounting Interface: M14×1.5
- Electrical Connection: GDM12B