



Temperature transmitter

NTM 120

- RTD or Ohm input
- High accuracy
- Excellent EMC performance
- 1500V AC dielectric strength
- Configurable input types and ranges



Technical data

- Power supply: 12 V DC~28 V DC (Reverse power protection)
- Input signal: Pt100, Cu100, Cu50, BA1, BA2, etc
resistance signal (0~400Ω)
- Line resistance: ≤ 20 Ω per line (RTD)
- Output signal: 4~20mA
- Load resistance: $RL \leq [(U-12)/0.022]\Omega$; U is loop powered
voltage

Range and Conversion accuracy list (25°C±2°C) :

Type	Range	Min.span/Accuracy	
Pt100	-200°C~+850°C	<100°C, ±0.1°C	≥100°C, ±0.1% F.S.
Cu50	-50°C~+150°C	<100°C, ±0.1°C	≥100°C, ±0.1% F.S.
Cu100	-50°C~+150°C	<100°C, ±0.1°C	≥100°C, ±0.1% F.S.
Ohm	0~400Ω	<50Ω, 0.05Ω	>50Ω, ±0.1% F.S.

- Temperature drift: 50ppm/°C
- Response time: ≤ 1s
- Electromagnetic compatibility: IEC 61326-1
- Dielectric strength: ≥ 1500V AC (Input/Output)
- Insulation resistance: ≥ 100MΩ (Input/Output)
- Operation temperature: -40°C ~ +85°C
- Storage temperature: -40°C ~ +85°C
- Dimension: Ø 44×25.5mm
- Wire size: 1.5mm²
- Screw terminal torque: 0.5Nm

Wiring diagram

