

## Temperature transmitter

### NTM 200.Ex

- RTD, TC, Ohm or mV input
- High accuracy
- Excellent EMC performance
- 1500V AC dielectric strength
- DIN B Head mount and field mount transmitters
- Configurable input types and ranges



### Technical data

Power supply:	12 V DC~28 V DC (Reverse power protection)
Input signal:	K, E, S, B, J, T, R, N, etc Pt100, Cu100, Cu50, BA1, BA2, etc millivolt signal (-10mV~120mV) resistance signal (0~400 Ω)
Line resistance:	20 Ω per line (RTD)
Output signal:	4~20mA
Load resistance:	$RL = [(U-12)/0.022]$ ; U is loop powered volts

Range and Conversion accuracy list (25°C±2°C, not contain cold junction compensation)

Compensation accuracy:

Temperature drift:

Response time:

Electromagnetic compatibility:

Dielectric strength:

Insulation resistance:

Operation temperature:

Storage temperature:

Dimension:

Wire size:

Screw terminal torque:

### Explosive-proof parameters

National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)

Explosive-proof grade: Ex ia I C T4/T6 Ga

T4: -40°C ~ +60°C

T6: -40°C ~ +50°C

Certified parameters (Terminals 3, 4, 5, 6):

$U_o=5.9V$   $I_o=24mA$   $P_o=36mW$

$C_o=40\mu F$   $L_o=40mH$

Certified parameters (Terminals 1, 2):

$U_i=28V$   $I_i=93mA$   $P_i=670mW$

$C_i=0\mu F$   $L_i=0mH$