

Lonix High Temperature Probe Sensor LX-TE-HT-D200

The LX-TE-HT-D200 single point rigid stack temperature transmitter utilizes a precision, high temperature rated platinum RTD sensor that is encapsulated in 6.35 mm (0.25") OD, 304 series stainless steel probe and is available in various lengths. All probes provide excellent heat transfer, fast response and resistance to moisture penetration. A weatherproof enclosure is provide for wire termination. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response is provided.

The stack type probes are installed in the side of an exhaust stack to monitor the flue gas temperatures. Select a probe length that allows the probe tip close to the center of the stack. Install the probe through a hole in the side of the stack and mount by securing the flange directly on the side. A weatherproof enclosure is provided for wiring connections.

- High temperature rated probe
- Precision RTD sensing element
- High accuracy transmitter
- Choice of scaled ranges and outputs
- Several probe lengths available
- Integrated mounting flange
- Weatherproof enclosure



Order codes

LX-TE-HT-D200
LX-TE-HT-D50
LX-TE-HT-D100
LX-TE-HT-D150
LX-TE-HT-D300
LX-TE-HT-D450

Technical Data

Sensor:	1000Ω Platinum RTD Wire wound, 3 wire, IEC 751, 385 Alpha
Sensor Accuracy:	±0.3°C (±0.54°F) @ 0°C (32°F)
Probe Temperature Range:	-100 to 600°C (-148 to 1112°F)
Wire Material:	22 AWG, fiberglass jacket
Probe Material:	304 series stainless steel
Probe Diameter:	6.35mm (0.25")
Output Signal:	0-10 Vdc (Optional 4-20 mA current loop, factory configured)
Transmitter Accuracy:	±0.1% of span, including linearity
4-20 mA Loop Power Supply:	15-35 Vdc or 22-32 Vac
Minimum Current Loop:	0 - 100 %RH
Maximum Loop Load:	22.5 mA nominal (occurs with open sensor)
Maximum Load Loop:	>600Ω
Power Supply:	15-35 Vdc or 15-32 Vac
Maximum Current Output:	5 mA nominal
Maximum Voltage Output:	Limited to <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 Vdc
Input Voltage Effect:	Negligible over specified operating range
RFI Rejection:	Good RFI rejection of normal frequencies
Protection Circuitry:	Reverse voltage protected and output limited
Ambient Conditions :	0 to 70°C (32 to 158°F), 0-95 %RH non-condensing
Enclosure:	(W) - Cast aluminum, IP64 (NEMA 3X)
Wiring Connections:	Screw terminal block (14 to 22 AWG)