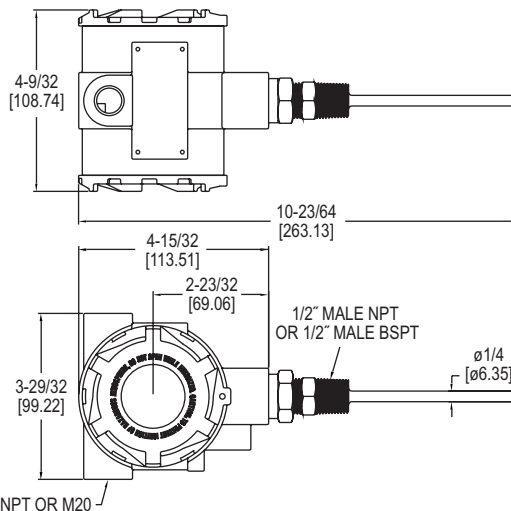


EXPLOSION-PROOF RTD TEMPERATURE TRANSMITTER

User Selectable Ranges, Optional LCD Display



*Shown with optional LCD display



2X 1/2" FEMALE NPT OR M20

The **Series TTE Explosion-Proof RTD Temperature Transmitter** is the ideal product for hazardous temperature measurement applications. The TTE series has seven pre-programmed temperature ranges that are selectable via an internal dip switch. For those applications that need a custom range, the transmitter can be easily configured for any range between -30 to 250°F with a minimum span of 40°F. The span and zero can be quickly adjusted with a simple push-button design. This unit has optional listings of FM for use in Class I, Division 1, Groups B, C and D, Class II, Division 1, Groups E, F and G and Class III atmospheres or ATEX (Directive 2014/34/EU) for **CE** II 2 G Ex db IIC T6...T4 Gb (-20°C ≤ Ta ≤ +70°C), **CE** II 1 D Ex ta IIIC T111°C Da (-20°C ≤ Ta ≤ +70°C) and IECEx for Ex db IIC T6...T4 Gb (-20°C ≤ Ta ≤ +70°C), Ex ta IIIC T111°C Da (-20°C ≤ Ta ≤ +70°C). The compact housing allows for the transmitter to be mounted in virtually any application.

FEATURES/BENEFITS

- FM approved for Class I, Groups B, C, D; Class II, Groups E, F, G classified explosive environments
- Optional LCD
- Output span selected from seven common ranges or user determined

APPLICATIONS

- Explosive process environments
- Offshore HVAC monitoring

MODEL CHART

Example	TTE	-1	04	-W	-LCD	TTE-104-W-LCD	Price
Series	TTE					Explosion-proof RTD temperature transmitter	\$399.00
Agency		1				FM*	-
		2				ATEX/IECEx flameproof	77.50
Probe Length			02			2" probe	-
			04			4" probe	-
			06			6" probe	-
			09			9" probe	+27.00
			12			12" probe	+27.00
			15			15" probe	+54.00
			18			18" probe	+54.00
Construction				W		Well probe	-
Options						No LCD display	-
						1/2 male BSPT process connection	-
						C5-M housing paint specification	+26.00
						LCD display	+109.00
						Female M20 thread electrical connection	-

*Options that do not have ATEX and IECEx.

Attention: Units without the "2" suffix following "TTE" are not directive 2014/34/EU (ATEX) Compliant. These units are not intended for use in potentially hazardous atmospheres in the EU. These units may be CE marked for other directives of the EU.

ACCESSORIES

Model	Description	Price
A-287	Mounting bracket for pipe or surface mounting	\$12.25

SPECIFICATIONS

Temperature Sensor: Pt1000, 0.00385 DIN.
Output Temperature Ranges: User selectable – any range between -30 to 250°F with a minimum span of 40°F.
Temperature Limits: Ambient: -4 to 158°F (-20 to 70°C); Process: -30 to 250°F (-34.4 to 120°C).
Accuracy: Transmitter ±0.1% FS; Probe ±0.3% FS.
Thermal Drift Effects: ±0.02%/°C max.
Response Time: 250 ms.
Wetted Materials: 316 SS.
Process Connection: 1/2" male NPT or 1/2" male BSPT.
Conduit Connection: 1/2" female NPT or M20.
Probe Length: 2" to 18" (depending on model).
Pressure Limits: 2000 psi (137.9 bar).
Power Requirements: 10 to 35 VDC.
Output Signal: 4 to 20 mA (two wire loop powered).
Optional Display: 2 lines X 8 character LCD.
Enclosure Rating: Weatherproof and Explosion-proof. Listed with FM for Class I, Division 1, Groups B, C and D, and dust-ignitionproof for Class II, Division 1, Groups E, F and G and Class III atmospheres.
ATEX Certified: **CE** 0518 **CE** II 2 G Ex db IIC T6...T4 Gb, **CE** II 1 D Ex ta IIIC T111°C Da, T6 Process Temp ≤80°C, Temperature Class T5 Process Temp ≤95°C, Temperature Class T4 Process Temp ≤120°C as defined on nameplate. EU-type Certificate No.: EMT17ATEX0021 X.
ATEX Standards: EN 60079-0:2012+A11:2013; EN 60079-1:2015; EN 60079-31:2014.
IECEx Certified: For Ex db IIC T6...T4 Gb, Ex ta IIIC T111°C Da, T6 Process Temp ≤80°C, Temperature Class T5 Process Temp ≤95°C, Temperature Class T4 Process Temp ≤120°C as defined on nameplate.
IECEx Certificate of Conformity: Element IECEx EMT 17.0007X; IECEx Standards: IEC 60079-0:2011 (Edition 6); IEC 60079-1:2014 (Edition 7); IEC 60079-31:2013 (Edition 2).
Weight: 2 lb 8 oz (1134 g).
Agency Approvals: FM, CE, ATEX/IECEx.

THERMOWELLS - MACHINED

Model	Material	Length	Connection (Internal/External) (NPT)	Price
TE-TNS-N044N-12	304 SS	4"	1/2" / 3/4"	\$16.25
TE-TNS-N064N-12	304 SS	6"	1/2" / 3/4"	19.75
TE-TNS-N094N-12	304 SS	9"	1/2" / 3/4"	31.50
TE-TNS-N124N-12	304 SS	12"	1/2" / 3/4"	46.25



Machined thermowell

FIELD-SELECTABLE RANGES

40 to 90°F (4.4 to 32.2°C)
-20 to 140°F (-28.9 to 60°C)
0 to 100°F (-17.8 to 37.8°C)
30 to 240°F (-1.1 to 115.6°C)
32 to 212°F (0 to 100°C)
32 to 122°F (0 to 50°C)
-30 to 65°C (-1.1 to 18.3°C)
Custom range between -30 to 250°F (-34.4 to 121.1°C)