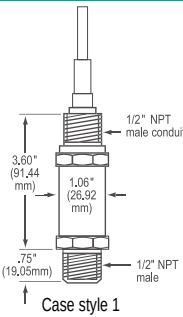


SERIES TE

REOTEMP PRESSURE PRODUCTS

EXPLOSION PROOF TRANSMITTER



- Approved for Hazardous Environments
- All Welded 316SS and Elgiloy
- 4-20 mA or Low Power Voltage Outputs
- Accuracy to +/- 0.125% Full Scale (BFSL)

Specifications

Output signals: 4-20 mA (2 wire); 1-5Vdc, .5-4.5 Vdc (3 wire)
Accuracy: 0.25% (std) ; 0.125% (optional)
Ranges: Vacuum, compound, pressure 0/15psi to 0/15,000psi

Proof/Burst pressures: Same as series TG (page 31)
Power Supply: 10-30 Vdc for 4-20mA; 6-30Vdc for low power voltage output (<=2mA for power supply <= 12Vdc)

Temperature: Compensated 32 to 176°F
 Effect: +/- 0.011% FS/°F
 Ambient and Media: -25 to 212°F (-58/221°F optional)

Environmental Rating: IP67

Wetted Material: 316 SS (ranges up to 300psi); 316SS with Elgiloy (ranges above 300psi)

Hazardous Approvals: FM; Explosion proof with entity approval Cl. I, Div. 1, A,B,C,D
 Dust/Ignition proof Cl. II/III, Div. 2, E,F,G

*Note: All dimensions and specs. are for case style 1. Other case styles available.

HOW TO ORDER

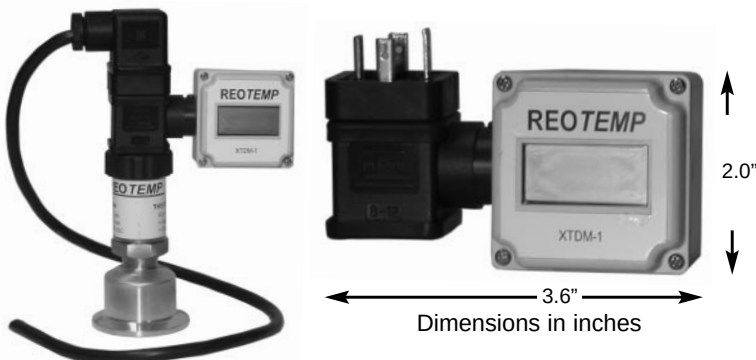
TE1 — **P20** — **2** — **A** — **4** — **U**

Range:	Accuracy:	Output:	Process Connection:	Electrical Connection:
SEE P. 39 FOR RANGE CODES Vacuum, compound, pressure 0/15 to 0/15,000 psi	2 = +/- 0.25% (std) BFSL 3 = +/- 0.125% BFSL	A = 4-20 mA (2 wire, std.) B = 1-5 Vdc, low power (3 wire) N = 0.5 – 4.5 Vdc, low power (3 wire)	4 = 1/4" NPT male 2 = 1/2" NPT male 7 = 7/16-20 UNF (SAE #4) male	U = 1/2" NPT conduit w/6 ft. cable R = 1/2" NPT conduit w/6 ft. flying leads

XTDM-1

"PIGGYBACK" DIGITAL INDICATOR

- Mounts to 4-20 mA transmitter
- Simply plug in between Hirschmann connector and transmitter body
- 4-20 mA or 0-10VDC signal
- 316SS & Viton wetted parts



HOW TO ORDER

1. Specify P/N XTDM-1
2. Indicate display range
 4 mA= _____
 20 mA= _____

e.g., for 0-200 range: XTDM-1 (4 mA = 0 20 mA = 200)

Specifications

Display: 0.4" high LCD
 Programmable Range: -1999 to + 1999
Accuracy: +/- 0.2% full scale, +/- 1 digit
Update rate: 5 /sec
Filtering: Field selectable, 0.2 – 1.5 sec
Power: Loop powered. Voltage drop, 3 VDC.
Temperature: Ambient: 32 to 122°F (0 to 50°C)
 Storage: -22 to 176°F (-30 to 80°C)
 Effect: -0.1% per 10°C (18°F)
Rating: CE compliant to EMC norm EN LI326 1997/AI:1998
Weight: 3oz. approx.

INTRINSICALLY SAFE TRANSMITTERS

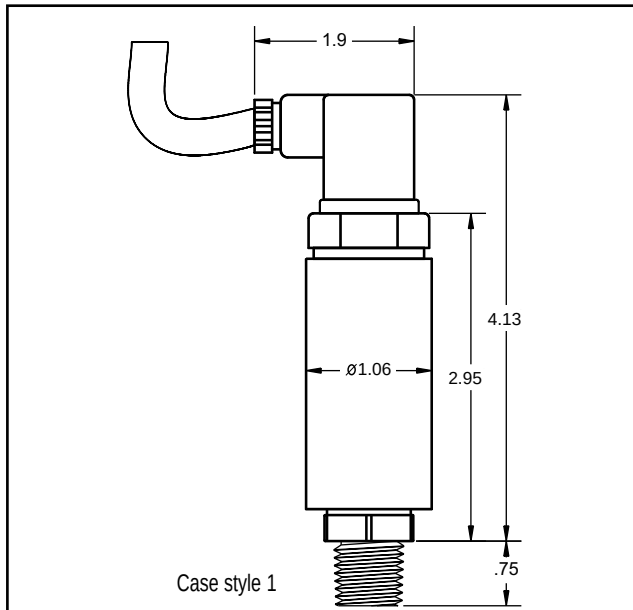
SERIES TX

- Intrinsically safe for Hazardous Environments
- Heavy-duty, 0.25% or 0.1% accuracy
- Very low to very high Pressure Ranges
- Internal zero & span adjustments
- All-stainless welded Body and Wetted Parts
- Shock-proof - internals potted in epoxy



Applications:

Petrochemicals, chemicals, and other hazardous applications requiring Class I, Division I protection.



Note: dimensions are nominal and may vary.
Check with Reotemp sales if dimensions are critical.

TX series transmitters are compatible with Reotemp DM series digital indicators (p.37). Each Reotemp transmitter is inspected and calibrated prior to shipment, to ensure it is 100% "Ready-to-Go" right out of the box!

Specifications: (Also see General specs, page 39)

Approvals: FM, CSA, CENELEC, BASEEFA, and PTB approved for Class I, II, III; Division 1, groups A, B, C, D, E, F, G. Nonincendive for Class I, Div 2, Groups A, B, C, D.

Output Signal: 4-20 mA, 2 wire

Pressure Ranges: Vacuum, compound, pressure to 15000PSI; gauge and absolute

Proof & Burst Pressures	Proof pressure	Burst pressure
0/5 thru 0/200psi	3.5 x range	3.5 x range
0/300 thru 0/10,000 psi	2 x range	2 x range
0/15,000 psi	1.5 x range	2 x range
0/25,000 and 0/60,000 psi	1.2 x range	2 x range

Accuracy (BFSL): +/- 0.25% of span (standard) +/- 0.12% of span (optional) (incl. repeatability, hysteresis, and linearity)

Adjustment: +/- 10% full scale, zero & span

Input: 10-30 VDC

Temperature: Compensated: +32 to 175°F (0/80°C)
Effect: +/- 0.01% of span / deg F (on zero and span)

Media: -5 to 120°F (-20/50°C)
Ambient: -5 to 120°F (-20/50°C)

HOW TO ORDER

TX — 1 — P20 — 2 — A — 4 — C — 2

TX1 = Intrinsically Safe transmitter-(case style 1)*	Range: SEE PAGE 39 FOR RANGE CODES Vacuum, Compound, Pressure 0/55INWC...to 30,000psi (TX1) 0/55INWC...to 7,500psi (TXF)	Accuracy: 2 = +/-0.25% Full Scale (std) 3 = +/-0.12% Full Scale	Output Signal: A = 4-20mA, 2 wire	Process Connection TX1: 4 = 1/4" NPT 2 = 1/2" NPT(std)	Electrical Connection: C = Hirschmann (w/36" cable) D = Hirschmann (DIN 43650) N = 1/2" NPTF ISO 4400 flex conduit conn.	Options: 1 = Threaded Orifice (SS, M3.5) 2 = Restrictor Screw Weld-in adapters for G1, G1/2 Diaphragm Seals, Snubbers
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*Note: All dimensions and specs. are for case style 1. Other case styles available.