

# INTRINSICALLY SAFE TRANSMITTERS

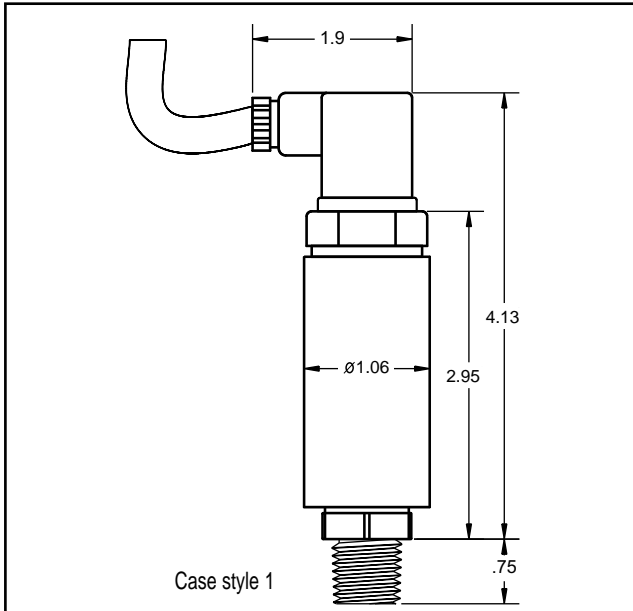
# SERIES TX

- 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 (0/80C)

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

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

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