SERIES TH

REOTEMP PRESSURE TRANSMITTERS

HEAVY DUTY, HIGH ACCURACY TRANSMITTERS

- **Heavy-duty, 0.25% or 0.1% accuracy**
- **Standard Internal, or Flush diaphragm**
- **All-stainless welded Body and Wetted Parts**
- **Very low to very high Pressure Ranges**
- **Engineered for high stability, shock resistance, and durability - (internal electronics potted in silicone gel.)**
- **Internal zero & span adjustments**
- **4-20 mA, or choice of several voltage outputs**

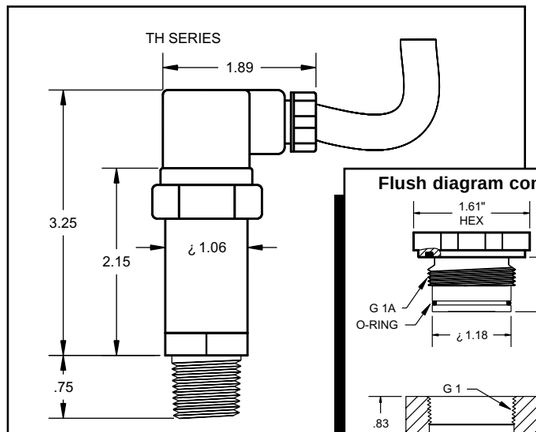
TH series transmitters are compatible with Reotemp DM series digital indicators (p.9). Each Reotemp transmitter is inspected and calibrated prior to shipment, to ensure it is 100% "Ready-to-Go" right out of the box!

Applications:

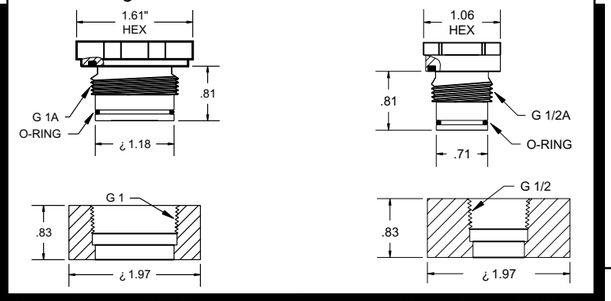
Process control, hydraulics, lab or test, where higher performance is needed. Model THF with flush diaphragm is suitable for measurement of slurries or viscous media.

Specifications: **(Also see General specs, page 11)**

Output Signal:	4-20 mA, 2 wire (std) 0-5 VDC, or 1-10 VDC (3 wire)
Pressure Ranges:	Vacuum, compound, pressure to 60,000 PSI; gauge and absolute
Proof Pressure:	0-2 thru 0-7500PSI: 2 x range 0-10,000PSI: 1.5 x range 0-15,000 thru 0-60,000PSI: 1.2 x range
Burst Pressure:	0-2 thru 0-7500PSI: 4 x range 0-10,000 thru 0-60,000PSI: 2 x range
Accuracy (BFSL): (incl. repeatability, hysteresis, and linearity):	+/- 0.25% of span (standard) +/- 0.1% of span (optional)
Adjustment:	+/- 5% full scale, zero & span
Input:	10-30 VDC (for current output) 14-30 VDC (for voltage output)
Temperature:	Compensated: +32 to 175ºF (0/80ºC) Effect: +/- 0.01% of span / deg F (on zero and span) Media: -20 to 212ºF (-30/100ºC) Ambient: -15 to 175ºF (-10 to 80ºC)



Flush diagram connections for THF and TXF



Weld-in Adapter XTWA-E **Weld-in Adapter XTWA-F**

HOW TO ORDER

TH — 1 — P20 — 2 — A — 4 — C

TH1 = High-Accuracy Transmitter-(std internal diaphragm) **THF** = High Accuracy Transmitter-(special flush diaphram)	**Range:** **SEE PAGE 11 FOR RANGE CODES** Vacuum, Compound, Pressure: 0/55INWC...to 60,000psi (TH1) 0/55INWC...to 7,500psi (THF)	**Accuracy:** **2** = +/-0.25% Full Scale (std) **3** = +/-0.1% Full Scale	**Output Signal:** **A** = 4-20mA, 2 wire (std) **B** = 0-5 VDC, 3 wire **E** = 0-10 VDC, 3 wire	**Process Connection TH1:** **2** = 1/2" NPT(std) **4** = 1/4" NPT **9** = 9/16-18 aminco (std on 30,000 to 60,000 psi) **THF:** **E** = G1/2A w/flush(≥50psi) **F** = G1A w/flush(<50psi)	**Electrical Connection:** **C** = Hirschmann (w/36" cable) **D** = Hirschmann (DIN 43650) **F** = 6 pin Bendix **J** = 1/2" NPT conduit (w/36" cable) **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 - p.10

SERIES TX

REOTEMP TRANS-P LINE

INTRINSICALLY SAFE TRANSMITTERS

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

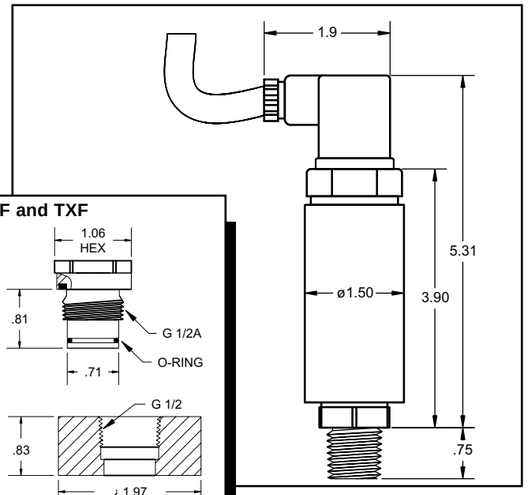
TX series transmitters are compatible with Reotemp DM series digital indicators (p.9). Each Reotemp transmitter is inspected and calibrated prior to shipment, to ensure it is 100% "Ready-to-Go" right out of the

Applications:

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

Specifications: **(Also see General specs, page 11)**

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 Pressure:	0-2, 0-5, 0-10, and 0-7500 thru 0-15000PSI: 1.5 x range 0-15 thru 0-6000PSI: 2 x range
Burst Pressure:	0-2, 0-5, 0-10, and 0-7500 thru 0-15000PSI: 2 x range 0-15 thru 0-6000PSI: 5 x range
Accuracy (BFSL): (incl. repeatability, hysteresis, and linearity):	+/- 0.25% of span (standard) +/- 0.1% of span (optional)
Adjustment:	+/- 5% full scale, zero & span
Input:	11-28 VDC
Temperature:	Compensated: +32 to 175ºF (0/80C) Effect: +/- 0.01% of span / deg F (on zero and span) Media: -5 to 120ºF (-20/50ºC) Ambient: -5 to 120ºF (-20/50ºC)



HOW TO ORDER

TX — 1 — P20 — 2 — A — 4 — C — 2

TX1 = Intrinsically Safe transmitter-(std internal diaphram) **TXF** = Intrinsically Safe-(special front flush diaphram)	**Range:** **SEE PAGE 11 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** = +/-0.1% Full Scale	**Output Signal:** **A** = 4-20mA, 2 wire	**Process Connection TX1:** **4** = 1/4" NPT **2** = 1/2" NPT(std) **TXF:** **E** = G1/2A w/flush(≥50psi) **F** = G1A w/flush(<50psi)	**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 - p.10	

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