

# SERIES TH

## REOTEMP PRESSURE PRODUCTS

### HEAVY DUTY, HIGH ACCURACY TRANSMITTERS



- Heavy-duty, 0.25% or 0.12% accuracy
- 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.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)

**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 & Burst Pressures

	Proof pressure	Burst pressure
0/5 thru 0/200psi	3 x range	3.8 x range
0/300 thru 0/10,000 psi	1.75 x range	4 x range
0/15,000 psi	1.5 x range	3 x range
0/20,000 thru 0/120,000 psi	1.2 x range	1.5 x range

**Accuracy (BFSL):** +/- 0.25% of span (standard) (incl. repeatability, +/- 0.11% of span (optional) hysteresis, and linearity):

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

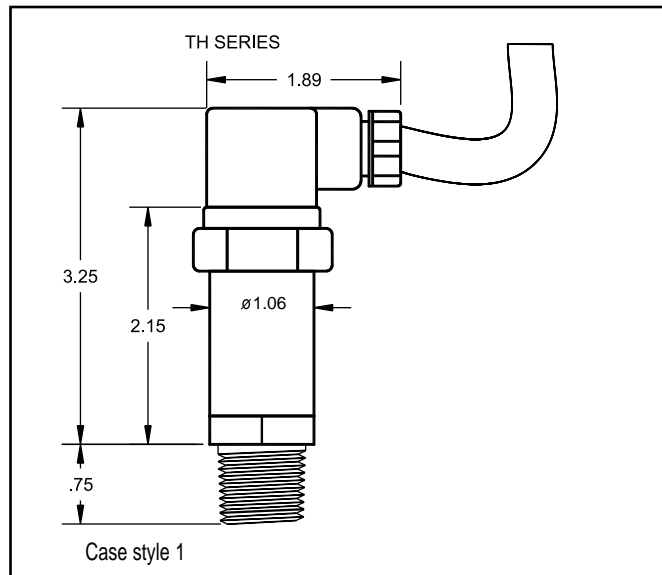
**Input:** 10-30 VDC (for current output)  
14-30 VDC (for voltage output)

**Temperature:** Compensated: +32 to 175°F (0/80°C)  
Effect: +/- 0.01% of span / deg F (on zero and span)  
Media: -20 to 212°F (-30/100°C)  
Ambient: -15 to 175°F (-10 to 80°C)

**Weight:** Approx. 7.2 oz (187g)

#### 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.



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

## HOW TO ORDER

TH — 1 — P20 — 2 — A — 4 — C

TH1 = High-Accuracy Transmitter (case style 1)*	Range: SEE PAGE 39 FOR RANGE CODES	Accuracy:	Output Signal:	Process Connection TH1:	Electrical Connection:	Options:
Vacuum, Compound, Pressure: 0/55INWC...to 60,000psi (TH1) 0/55INWC...to 7,500psi (THF)	2 = +/-0.25% Full Scale (std) 3 = +/-0.12% Full Scale	A = 4-20mA, 2 wire (std) B = 0-5 VDC, 3 wire C = 1-5 VDC, 3 wire E = 0-10 VDC, 3 wire	2 = 1/2" NPT (std) 4 = 1/4" NPT 9 = 9/16-18 aminco** (std on 30,000 to 60,000 psi)	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.	1 = Threaded Orifice (SS, M3.5) 2 = Restrictor Screw Weld-in adapters for G1, G1/2 Diaphragm Seals, Snubbers	

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

\*\*Also known as Autoclave F250C. †Mating Connector sold separately