

SERIES THS

3A SANITARY TRANSMITTERS



- 3A, Tri-clamp Sanitary Connection
- 316 Stainless Wetted Parts
- Designed for “Clean-in-place” and “Sterilize-in-place” procedures
- Media temperatures to 250F (121C)
- Internal zero & span adjustments

Applications:

Food, dairy, pharmaceutical, beverage, biotech.

THS 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)
1-5 VDC, 1-6 VDC, or 1-11 VDC (3 wire)

Pressure Ranges: Vacuum, compound, pressure 0/2 to 0/1000 PSI gauge and absolute. Ranges 60psi and below not recommended with 3/4” tri-clamp.

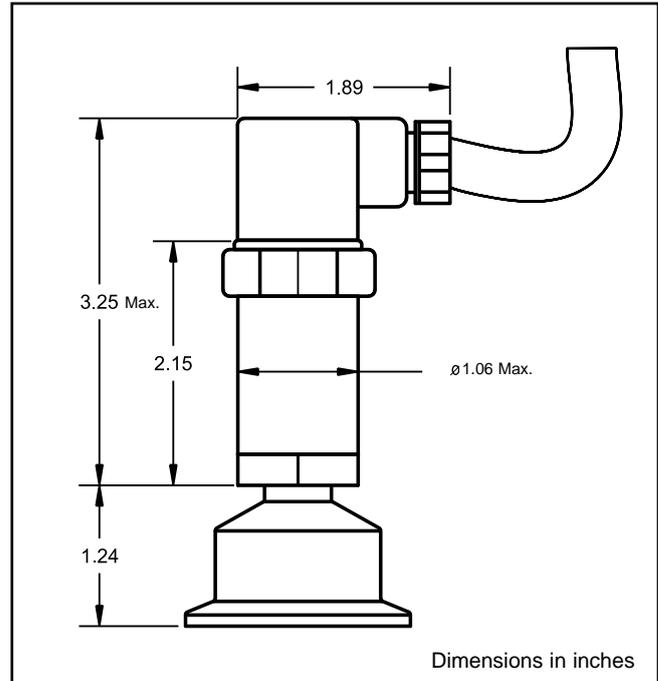
| Proof & Burst Pressures | Proof pressure | Burst pressure |
|-------------------------|----------------|----------------|
| 0/5 thru 0/200psi | 3 x range | 3.8 x range |
| 0/300 thru 0/1,000psi | 1.75 x range | 4 x range |

Accuracy (BFSL): +/- 0.5% of span (standard)
+/- 0.25% of span (optional)
+/- 5% full scale, zero & span

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

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

Temperature: Temperature effect with 1.5” or 2” tri-clamp:
+/- 0.1% of span / 10°F (for zero & span)
or +/- 0.02psi/ 10°F (greater of)
Note: 3/4” Triclamp not recommended for temperature variations. Effect is <= +/- 0.9psi/ 10°F



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

HOW TO ORDER



| THS = | Range: | Accuracy: | Output Signal: | Process Connection: | Electrical Connection: | Fill Fluid: |
|----------------------|--|---|--|---|---|--|
| Sanitary Transmitter | SEE PAGE 39 FOR RANGE CODES Vacuum, Compound, Pressure RANGES: 0/5psi to 0/1,000psi | 1 = +/-0.5% Full Scale 2 = +/-0.25% Full Scale | A = 4-20mA, (2 wire) (Std) C = 1-5 VDC, 3 wire D = 1-6 VDC, 3 wire F = 1-11 VDC, 3 wire | C = 1.5” Triclamp L = 2” Triclamp A = 2.5” Triclamp Cl = 2” Cherry-Burrell “I”-line M* = 3/4” Triclamp (other connections available) | A* = Mini Hirschmann (w/36” cable) B* = Mini Hirschmann (no cable) C** = Hirschmann (w/36” cable) D** = Hirschmann (no cable) F = 6 pin Bendix J = 1/2” NPT male conduit (w/36” cable) <small>* Used for all .5% acc. except <5 psi ** Used for all .25 acc. and all <5 psi</small> | G = Glycerin (std) S = Silicone N = Neobee M-20 H = Halogenated inert fluid V = Vegetable oil |

*Note: REOTEMP recommends 1.5” or 2” triclamp for variable temperature service.