The Series FDT Flush Diaphragm Transmitter is designed for highly cyclical conditions. Flush sensor feature prevents any potential inaccuracies due to build-up or blockage which is a typical problem found in most non-flush transmitter sensors. Units have a non-oil filled sensor element that provides resistance to temperature fluctuations. Manufactured from a solid piece of steel, the sensing diaphragm can withstand the most abrasive/cyclical applications. Series FDT transmitters perform well in high cyclical environments with the presence of water-hammering or spiking. Flush feature greatly reduces chance of leakage. Tough materials allow the unit to withstand harsh process conditions. Advanced manufacturing techniques, extreme environmental burn-in, and thorough residual stress relieving procedures ensure unit will maintain its high performance standard over time.

### SPECIFICATIONS

- **Service:** Compatible liquids and gases, adhesives, slurries, materials that can harden, or where a pressure cavity is not desired.
- **Wetted Materials:** 316 & 15-5 SST.
- **Accuracy:** ±0.5% F.S. (includes non-linearity, hysteresis, and repeatability).
- **Stability:** ±0.25% F.S. per year.
- **Temperature Limits:** -40 to 200°F (-40 to 93°C).
- **Compensated Temperature Limits:** 0 to 170°F (-18 to 77°C).
- **Pressure Limit:** 150% FS; Burst: 200% FS.
- **Thermal Effect:** ±1.5% FSO over compensated range.
- **Power Requirements:** 8 to 38 VDC.
- **Output Signal:** FDT-A: 4 to 20 mA DC; FDT-V: 0 to 5 VDC.
- **Response Time:** <1ms.
- **Loop Resistance:** FDT-A: 0 to 1.5 Ω; FDT-V: 100 Ω.
- **Electrical Connections:** 4-pin.
- **Process Connection:** 7/16-20 UNF male flush diaphragm. Optional 1/4˝ male NPT.
- **Enclosure Rating:** NEMA 4X (IP66).
- **Mounting Orientation:** Mount in any position.
- **Weight:** 2 oz (57 g).
- **Agency Approval:** CE.

### ACCESSORY

A-168, Mating connector for 4 pin M-12

### OPTION

For NIST traceable calibration certificate, use order code NISTCAL-PT1.