**Flush Diaphragm Transmitter**

Non-liquid Filled, ±0.5% F.S.O. Accuracy, SS Wetted Parts

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% FSO (includes non-linearity, hysteresis, and repeatability).

**Stability:** ±0.25% FSO 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:** 8-38 VDC.

**Output Signal:** FDT-A: 4-20 mA; FDT-V: 0-5 VDC.

**Response Time:** <1mS.

**Loop Resistance:** FDT-A: 0-1.5 ohms; FDT-V: 100 ohms.

**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