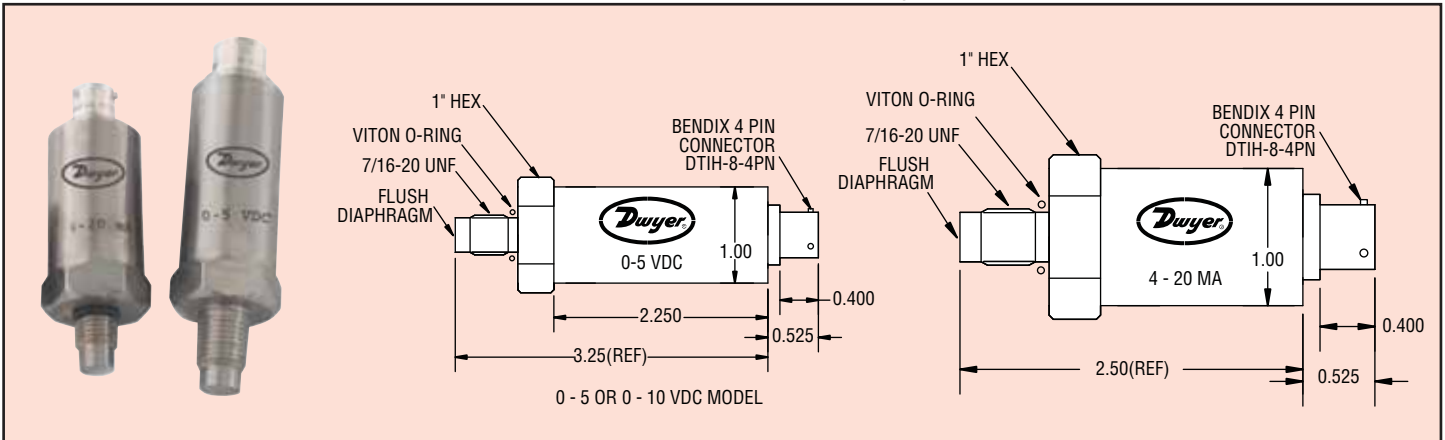




Series
FDT

Flush Diaphragm Transmitter

Non-liquid Filled, $\pm 0.5\%$ 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: $\pm 0.5\%$ FSO (includes non-linearity, hysteresis, and repeatability).

Stability: $\pm 0.25\%$ 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: $\pm 1.5\%$ FSO over compensated range.

Power Requirements: 8-38 VDC.

Output Signal: FDT-A: 4-20 mA DC; 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

Series FDT, A-168 mating connector for 4 pin M-12

Series	FDT		Series FDT Diaphragm Transmitter
Output	-A		4-20 mA
	-V		0-5 VDC
Range		-01	100 psi
		-02	150 psi
		-03	200 psi
		-04	300 psi
		-05	400 psi
		-06	500 psi
		-07	600 psi
		-08	700 psi
		-09	800 psi
		-10	900 psi
		-11	1,000 psi
		-12	2,000 psi
		-13	3,000 psi
		-14	4,000 psi
		-15	5,000 psi
		-16	6,000 psi
		-17	7,000 psi
	-18	8,000 psi	
	-19	9,000 psi	
	-20	10,000 psi	
Option		-NPT	1/4" male NPT
		-C08	0.25% FS accuracy