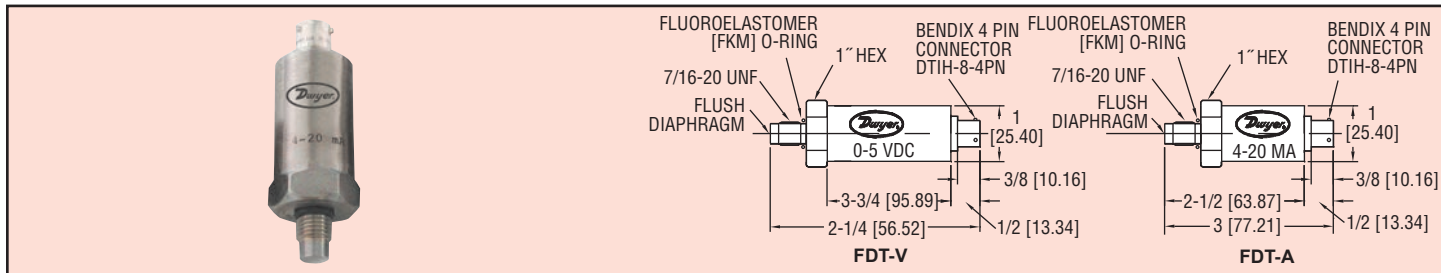




Series
FDT

Flush Diaphragm Transmitter

Non-liquid Filled, $\pm 0.5\%$ F.S. 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.

Series	FDT			Diaphragm Transmitter
Output		-A		4 to 20 mA
		-V		0 to 5 VDC
Range		-01		100 psi
		-02		150 psi
		-03		200 psi
		-04		300 psi
		-06		500 psi
		-11		1000 psi
		-12		2000 psi
Option			-NPT	1/4" male NPT
			-C08	0.25% FS accuracy

Note: Contact factory for additional range availability.

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: $\pm 0.5\%$ F.S. (includes non-linearity, hysteresis, and repeatability).
Stability: $\pm 0.25\%$ 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: $\pm 1.5\%$ FSO over compensated range.

ACCESSORY

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

OPTION

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

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.