SERIES FDT
FLUSH DIAPHRAGM TRANSMITTER
Non-Liquid Filled, ±0.5% FS Accuracy, SS Wetted Parts

FDT-V

FDT-A
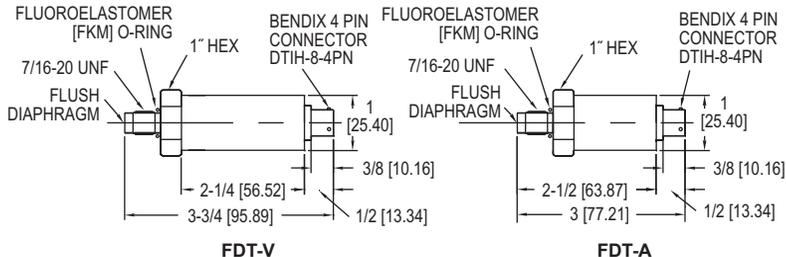
The **SERIES FDT** Flush Diaphragm Transmitter is designed for highly cyclical conditions. Flush sensor feature prevents any potential inaccuracies due to build-up or blockage which is a typical problem found in most non-flush transmitter sensors.

FEATURES/BENEFITS
• Performs well in high cyclical environments with the presence of water-hammering or spiking for long service life

APPLICATIONS
• OEM
• Hydraulic systems
• Process systems

MODEL CHART

Example	FDT	-A	-01	-NPT	FDT-A-01-NPT
Series	FDT				Flush diaphragm transmitter
Output		A V			4 to 20 mA 0 to 5 VDC
Range			01 02 03 04 06 11 12 15		100 psi 150 psi 200 psi 300 psi 500 psi 1000 psi 2000 psi 5000 psi
Options				-NPT -C08	1/4″ male NPT 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: ±0.5% FS (includes non-linearity, hysteresis, and repeatability).
Stability: ±0.25% FS 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 mADC; FDT-V: 0 to 5 VDC.
Response Time: <1 ms.
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 Approvals: CE.

ACCESSORIES

Model	Description
A-168	Mating connector for 4 pin M-12

OPTIONS

Use order code:	Description
NISTCAL-PT1	NIST traceable calibration certificate