FLOW Transmitters,

In-Line sensor can be mounted in any position and allows the designer to install it in any orientation. Flow rates as related to pressure to monitor process fluids. The segmented wedge provides orientation. The flow transmitter does not require input or output straight plumbing, and can be mounted in any applications or harsh environments where liquid tight seals are required. The flow data acquisition devices, meters, or analog input cards. The entire assembly is housed in a rugged cast aluminum NEMA 4X (IP66) enclosure. The unit can be installed in outdoor proportional analog output of 4 to 20 mA, 0 to 5, and 1 to 5 VDC. Use the output to drive a simple and reliable restriction for sensing flow as related to pressure differential. The sensor offers low-cost precision with a measuring accuracy of ±2% of full-scale range and repeatability of ±0.5%.

### SPECIFICATIONS

**Service:** Compatible gases or liquids.

**Wetted Materials:**
- Body: Aluminum, brass or 304 SS; Seals: Buna-N or Fluoroelastomer; Magnet: PTFE coated Alnico; Other internal parts: 304 SS.
- Wetted Parts: Aluminum, PTFE coated Alnico; 304 SS and Buna-N.

**Accuracy:** ±4% FS over entire range; ±2.5% over center third of the measuring range.

**Response Time:** < 100 msec.

**Temperature Limits:** 170°F (76°C).

**Pressure Limits:** See chart.

**Power Requirements:** 12 to 35 VDC.

**Shipping Weight:**
- 1/4 to 3/8˝ female NPT models: 3 lb (1.4 kg);
- 1/2˝ female NPT models: 4.5 lb (2.0 kg);
- 1-1/2˝ female NPT models: 12 lb (5.4 kg).

**Enclosure Rating:** NEMA 4 (IP66).

**Weight:** 1 lb (0.45 kg).

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**Series DFT Flow Transmitters** use a segmented wedge differential producer to measure flow rates as related to pressure to monitor process fluids. The segmented wedge provides a simple and reliable restriction for sensing flow as related to pressure differential. The sensor can be mounted in any position and allows the designer to install it in any orientation: horizontal, vertical, or inverted. The sensor is offered with three flow measuring ranges: 0.5 to 5, 1 to 10 and 1 to 15 GPM and three electrical output signals: 4 to 20 mA, 0 to 5 VDC and 1 to 10 VDC. The sensor offers low-cost precision with a measuring accuracy of ±2% of full-scale range and repeatability of ±0.5%.

### SPECIFICATIONS

**Service:** Compatible liquids.

**Wetted Materials:** End ports: PVC; Wedge element: PVC; Pressure sensor: polyethermide.

**Flow Measuring Ranges:** 0.5 to 5, 1 to 10, 1 to 15 GPM.

**Accuracy:** ±2% of full-scale.

**Repeatability:** ±0.5% of full-scale.

**Response Time:** Indication of no less than 90% of any step change within <500ms.

**Power Requirements:** 12 to 35 VDC.

**Output Signal:** 4 to 20 mA (optional 0 to 5 VDC or 0 to 10 VDC consult factory).

**Maximum Current Consumption:** 25 mA.

**Minimum Load Resistance:** 1000 Ω.

**Maximum Transmission Distance:** 200 ft.

**Resolution:** Infinite.

**Temperature Limits:** 170°F (76°C).

**Pressure Limits:** 125 psig (8.6 bar).

**Enclosure Rating:** NEMA 4 (IP66).

**Maximum Particulate Size:** 200 microns.

**Weight:** 1 lb (0.45 kg).