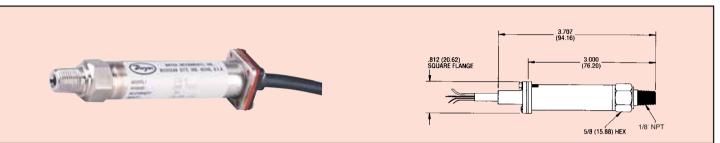


Series 638

Pressure Transmitter



Stability, Stainless Steel, Intrinsically Safe, Accuracy $\pm 0.50\%$, 4-20 mA Signal



Series 638 Pressure Transmitters employ a polysilicon sensor for superior longterm stability and repeatability with $\pm 0.5\%$ accuracy. They are FM approved intrinsically safe. Stainless steel NEMA 4X enclosure is ideal for corrosive media in hazardous environments. Output is 4-20 mA with 10-30 VDC power supply. NIST traceability with calibration certification is standard.

Model	Operating	Operating	Model	Operating	Operating
Number*	Range, PSI	Range, Bar	Number*	Range, PSI	Range, Bar
638-4-FM	0-100	0-7		0-1000	0-69
638-5-FM	0-150	0-10		0-2000	0-138
638-6-FM	0-200	0-14		0-3000	0-207
638-7-FM	0-300	0-21		0-5000	0-345
638-8-FM	0-500	0-35	638-14-FM	0-7500	0-517
638-9-FM	0-750	0-50	638-15-FM	0-10000	0-689

^{*}For low-cost non-FM version omit FM in model number.

ACCESSORIES

MTL5041, Intrinsically Safe Galvanic Isolator MTL7706, Intrinsically Safe Zener Barrier

SPECIFICATIONS

Service: Liquid, gas or vapor. Wetted Materials: 17-4PH SS.

Body: 300 SS. Accuracy: ±0.50% F.S. Repeatability: ±0.05% F.S. Hysteresis: ±0.15% F.S. Stability: Less than 1% F.S./Yr. Temperature Limits:

Operating: -20 to 180°F (-29 to 82°C).

Pressure Limits: 200% for ≤ 2000 psig, 150% for 3000-5000 psig, 1202 for 7500-10000 psig.

Compensated Temperature Range: -20 to 160°F (-29 to 71°C)

Storage: -65 to 250°F (-54 to 121°C). **Thermal Effects:** Zero: 0.028% F.S./°F Span: 0.028% F.S./°F

Power Requirements: 10-30 VDC. Output Signal: 4-20 mA DC, max. 30 mA DC (2-wire).

Zero and Span Adjust: ±2.8% F.S. each. Response Time: Less than 10 ms.

Loop Resistance: Vmin = 10V + (.022A

x RL).

Electrical Connection: 36" (92 cm), 24

AWG.

Process Connection: 1/8° male NPT **Weight:** 2 oz (56 g) approximate without cable

Agency Approvals: FM approved intrinscially safe for Class I, II, & III, Division 1, Group A, B, C, D, F & G for Hazardous Locations.