



DESCRIPTION

A compact thin film pressure transducer excellent for conditions where high proof and burst pressure is required. It features a hermetically sealed construction with all stainless steel body. There is a wide variety of electrical output and electrical connection options.

FEATURES

- Temperature Compensation
- Stainless Steel Construction
- Hermetically sealed
- Stainless steel body

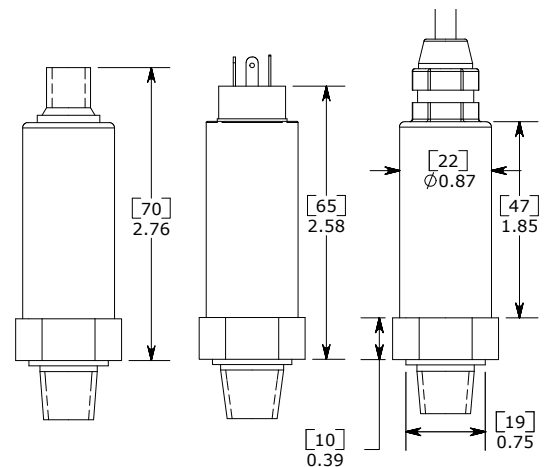
APPLICATIONS

- Road Maintenance Vehicles
- Cranes
- Automation process

Specifications

Accuracy	0.5% FS
Pressure Range	1500 to 10,000 PSI (700 BAR)
Proof Pressure	150% FS
Burst Pressure	300% FS
Fatigue Life	100,000,000 cycles
Long Term Drift	0.1% FS/year for < 725 PSI (50 BAR) 0.2% FS/year for ≥ 725 PSI (50 BAR)
Thermal Error	0.02%/FS/°C
Compensated Temperatures	32°F to 149°F (0°C to 65°C)
Operating Temperatures	-4°F to 176°F (-20°C to 80°C)
Storage Temperature Rating	-40°F to 257°F (-40°C to 125°C)
Process Connection	Standard: SS304 Optional: SS316
Vibration	10g (20-2000Hz) for ≤ 58 PSI (4 BAR) 20g (20 - 500Hz) for ranges > 58 PSI (4 BAR)
Shock	100g (11ms)
Voltage Output	0-5V, 0.5-4.5V, 0-10V
Supply Voltage	4 - 20mA : 12 - 32 VDC 0 - 10V : 16 - 36 VDC 0.5 - 4.5V : 4.5 - 5.5 VDC (ratiometric) 0.5 - 4.5V : 16 - 32 VDC 0 - 5V : 16 - 36 VDC 1 - 5V : 8 - 32 VDC
Max. Loop Resistance	500 Ω

Dimensions



Ordering Information

Example TC - ¹150P - ²A - ³4 - ⁴M2 - ⁵4M - ⁶A2

1 - Measuring Range:

Code	Description
100B	100 BAR
200B	200 BAR
350B	350 BAR
400B	400 BAR
600B	600 BAR
700B	700 BAR

OR

Code	Description
150P	1500 PSI
200P	2000 PSI
300P	3000 PSI
500P	5000 PSI
600P	6000 PSI
750P	7500 PSI
10KP	10000 PSI

2 - Gauge Standard:

- A - Absolute
- G - Gauge

3 - Output:

- 2 - 4 - 20 mA, 2 wire
- 3 - 0 - 10 V, 3 wire
- 4 - 0.5 - 4.5 V (ratiometric)
- 5 - 0 - 5.0 V
- 7 - 0.5 - 4.5 V (3 wire)

4 - Electrical Connection:

- M2 - DIN 43650C (Mini DIN)
- M2C79 - DIN 43650C (Mini DIN) with 79 inches (2 meters cable)
- M12 - M12, 4 pin
- C79 - Shielded Cable, 79 inches (2 meters)
- C158 - Shielded Cable, 158 inches (4 meters)

5 - Process Connection:

- 4M - 1/4" NPT male
- 4G - 1/4" BSPP male, G1/4
- 4S - 7/16-20 SAE male, with Viton O-ring seal

6 - Accuracy:

- A2 - 0.5% FS

7 - Options (Omit if not required):

- 3 - 316 Stainless Steel Port



Note: Other ranges available. Please consult factory.