



DESCRIPTION

A compact bonded foil 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

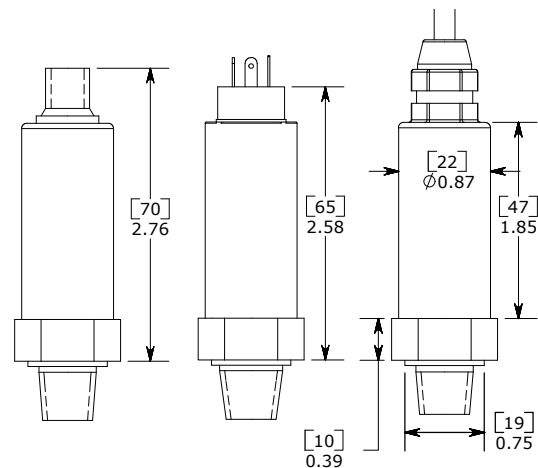
APPLICATIONS

- 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)	
Supply Voltage	Output	Supply
	4 - 20mA	12 - 36 VDC
	0 - 5V	12 - 36 VDC
	0 - 10V	12 - 36 VDC
	0.5 - 4.5V (ratiometric)	4.5 - 5.5 VDC
	0.5 - 4.5V	12 - 36 VDC
	* Other supply voltage available upon request	
Max. Loop Resistance	500 Ω	
Weight	0.37 lbs (0.170kg)	

Dimensions



Wiring Code

Connector	Output				
	4 - 20 mA		Voltage		
	Supply +	Supply -	Supply +	Common	Output +
M2	1	2	1	3	2
M12	1	3	1	4	3
C79 / C158	Red	Black	Red	Yellow/White	Blue

Ordering Information

Example

TC - ¹1500P - 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
1500P	1500 PSI
2000P	2000 PSI
3000P	3000 PSI
5000P	5000 PSI
6000P	6000 PSI
7500P	7500 PSI
10000P	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 V, (3 wire)
- 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.