

Model 2000 Aerospace Grade Un-Amplified Pressure Transducer



Model 2000 is designed to provide high-accuracy measurements of down to $\pm 0.1\%$ FSO. Ideal for use within demanding aerospace and defense applications, including high shock and vibration.

Model Specifications & Performance at 70°F

Pressure Ranges Available:	0 to 2 thru 0 to 40,000 psi
Pressure Reference	psia, psig, psig, psiv
Output	1-3 mV/V (pressure dependent), 5 mV/V 10 mV/V
Accuracy*	$\leq \pm 0.3\%$ typ. $\pm 0.1\%$ available
Proof Pressure	1.5X Range, dependant on port and material
Burst Pressure	3.0X Range, dependant on port and material
Bridge Resistance	5000 Ω typ. 350 Ω optional
Excitation	10 Vdc max
Zero Offset	1.0% FSO, 0.5% FSO available
Span Tolerance	1.0% FSO, 0.5% FSO available
Response Time	3-5 KHz

* Accuracy includes linearity(BFSL), hysteresis and repeatability

Physical Description

Wetted material	17-4PH, 316L SST, Hastelloy C276 Inconel 718, Monel K500
Electrical Connection	PTIH-10-6P standard, options available

Applications

Commercial and defense satellites
Launch vehicles
Unmanned aerial vehicles
Military and civilian aircraft
Ground support and engine test stands

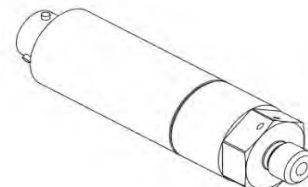
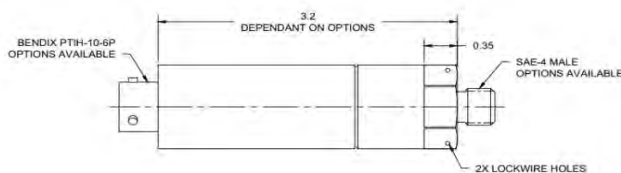
Environmental Data

Temperature	
Compensated Range	0 to 180°F standard with ± 1.0 FSO/100°F thermal effect -40°F to 250°F optional with ± 2.0 FSO/100°F thermal effect -65°F to 250°F optional ± 2.5 FSO/100°F thermal effect
Operating Range	-65 to 275°F

Benefits

Compact, lightweight stainless steel design
secondary containment
Designed to meet MIL-STD-810 shock and vibration

Other	
Shock	100G, 11mS
Vibration	25G, 20 to 2000 Hz



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Ordering Information

2000 **A** **A** **00500** **P** **A** **B** **0** **Blank**
MODEL

Pressure Reference

A = Absolute

G = Gauge

O = Sealed Gauge

Process Connection

A = 1/4 NPT(M)

F = 7/16-20 UNF Male

G = M14 x 1.5 Male

4 = AS930-04

Pressure Measurement

See Pressure Code Chart, always five digits

Pressure Unit

B = bar

P = psi

Outputs

A = 10 mV/V

C = 2 mV/V

E = 10 mV/V & PT1000

F = 5 mV/V

K = 3 mV/V

Electrical

B = Bendix 6 pin, PTIH-10-6P

2 = D38999/27YA35PN

V = 6 ft Cable

Wetted Material

0 = 17-4PH

1 = 316L SST

2 = Inconel 718

4 = Hastelloy C276

Options

Blank = No options

001 = Custom Options, See Factory

Shunt Options available

x in any space = speical

*for additional options or to create your own, contact ASI

Pressure Code Chart

PSI	Pressure Code	Bar	Pressure Code
0 to 2	00002	0 to 1	00001
0 to 50	00050	0 to 20	00020
0 to 300	00300	0 to 250	00250
0 to 2000	02000	0 to 500	00500
0 to 40,000	40000	0 to 2700	02700

* Custom options available

Standard Wiring

1/A	+EXC (R)
2/B	+OUT (G)
3/C	-OUT (W)
4/D	-EXC (B)
5/E	N/C
6/F	N/C

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