



## **Model 1000X OEM Pressure Transducer**

- Standard Pressure Outputs: 0-10 VDC, 0-5 VDC, 4-20 mA, (1-5 VDC, mV/V Optional)
- 0.5% BFSI (Standard), 0.2% BFSI (Optional) – contact factory 0.1% BFSI or other options
- 1/4" NPT, SAE-4, 1/8" NPT process connections standard – contact factory for other options
- Standard ranges from 0-1 psi to 0-10000 psi
- Low pressure/compound pressure ranges available – contact factory
- Duplicate any customer's process and electrical connection for transparent replacement

*The smallest and most cost-effective high-performance transducer available*

### **FEATURES:**

Proprietary Fused Bond Sensor

Sensor Wetted Material Machined from Stainless Steel Bar Stock (No Welds)

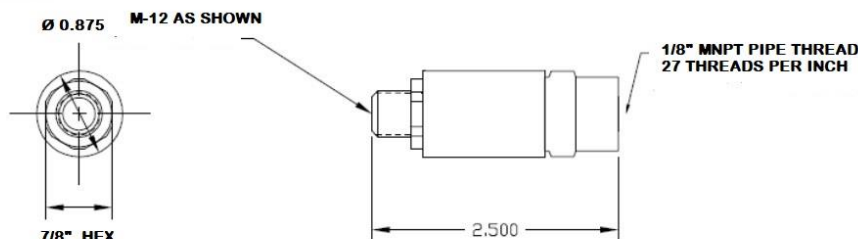
RFI/EMI Protection on every unit

Unparalleled long-term stability

Operating temperatures up to 125°C



### **REFERENCE DIMENSIONS:**



OVERALL LENGTH VARIES WITH PROCESS AND ELECTRICAL CONNECTION

Spectre Corp  
7912 Root Road  
Suite C/D  
North Ridgeville, Ohio 44039



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Ordering Guide: 1000X-D-(0-1PSI)-2-E-15-EC1

D	(0-1PSI)	2	E	15	EC1
PRESSURE PORT	RANGE <sup>1</sup>	TYPE	PRESSURE OUTPUT	ACCURACY (BFSL)	CONNECTOR <sup>2</sup>
A = 1/4" MNPT	PSI	1 = ABSOLUTE	D = 4-20 mA	5 = 0.5%	EC1 = 36" PIGTAIL <sup>3</sup>
B = SAE-4 MALE	BAR	2 = GAUGE	E = 0-5 VDC	15 = 1.5%	EC2 = LARGE DIN 43650, FORM A
C = OTHER	kPA	3 = VACUUM	F = 0-10 VDC		EC3 = MINI DIN 4365, FORM C
D = 1/8" MNPT	INCHES WC	4 = SEALED	M = mV/V		EC4 = BENDIX PTIH-10-6P
	TORR	5 = COMPOUND			ECT = TURCK M12
		6 = OTHER			ECX = OTHER

<sup>1</sup> OTHER RANGES AVAILABLE, CONSULT FACTORY

<sup>2</sup> CUSTOM PINOUTS/WIRING AVAILABLE

<sup>3</sup> PVC STANDARD CABLE JACKET – OTHERS AVAILABLE ON REQUEST

OP5
OPTIONS
OP1 = NIST CALIBRATION WITH CERTIFICATE
OPX = OTHER (SPECIFY)

Performance @ 25 °C
Accuracy: < ± 0.5% BFSL to 0.2% BFSL <sup>4</sup>
Stability: (2 year): <± 0.20% FSO, Typical
Overpressure Protection: 200% FSO
Burst Pressure: 300% FSO
Pressure Cycles: > 50 Million
Temperature Range: -20°C to +85°C
Response: ≤ 5 ms to 90%

Physical Data
Sensor
Wetted Material: 316 SS
Housing: 304 SS
Connections
Pressure: 1/4" MNPT, SAE-4, 1/8" MNPT

TYPICAL APPLICATIONS	
Engine Test Stand	Test Stands
Leak Detection	Rocket/Jet Engine Testing
Diesel-Internal Combustion	Emission Testing
Bake Testing	Off-road Vehicles
Laboratory/Research	Military

Environmental Data
Temperature
Operating: -40°C to 125°C
Storage: -40°C to 125°C
Thermal Limits
Compensated Range: -10°C to 70°C Typical
Thermal Effect Zero: ≤ ±1.5% FS
Thermal Effect Span: ≤ ±1.5% FS

Electrical Data
Excitation: 24 VDC, 12 VDC, 5VDC
Current Consumption: < 5 mADC
Zero Offset: ≤± 0.25% of FS
Span Tolerance: ≤±1.0% of FS
Output Load: >10K Ω

<sup>4</sup> Accuracy includes non-linearity, hysteresis and non-repeatability

