



**Spectre Corp**

## Model 1000LT OEM Pressure Transducer

- Standard Pressure Outputs: 4-20 mA, 1-5 VDC, 1-6 VDC, mV/V, Ratiometric
- Material Options: 17-4 PH, 316 Stainless Steel
- 0.25% BFSL (Standard)
- Standard ranges from 0-5 psi to 0-10000 psi
- 1/4" NPT and SAE-4 process connections standard – contact factory for other options

### FEATURES:

Proprietary Fused Bond Sensor

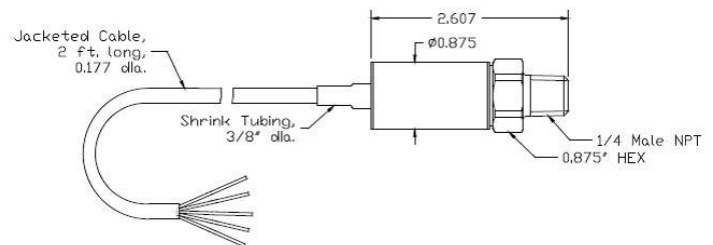
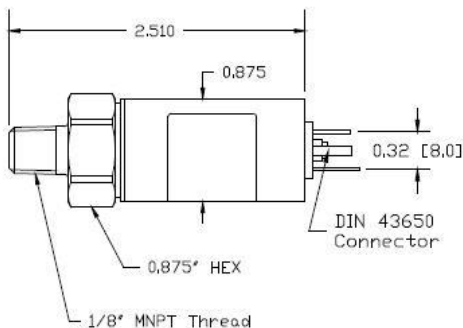
Sensor Wetted Material Machined from Stainless Steel Bar Stock (No Welds)

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

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## Model 1000LT OEM Pressure Transducer

Ordering Guide: 1000LT-A-(0-100PSI)-2-M-EC1-174

A	(0-100PSI)	2	M	EC1
PRESSURE PORT	RANGE <sup>1</sup>	TYPE	PRESSURE OUTPUT	CONNECTOR <sup>2</sup>
A = 1/4" MNPT	PSI	2 = GAUGE	D = 4-20 mA	EC1 = 36" PIGTAIL <sup>3</sup>
B = SAE-4 MALE	BAR	3 = VACUUM	M = 1-5 VDC	EC2 = LARGE DIN 43650, FORM A
C = OTHER	kPA	4 = SEALED	N = 1-6 VDC	EC3 = MINI DIN 4365, FORM C
	TORR	6 = OTHER	R = 0.5-4.5 VDC	ECT = TURCK M12
				ECX = OTHER

174
MATERIAL OPTIONS
174 = 17-4 PH STAINLESS STEEL
316 = 316 STAINLESS STEEL

<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

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

Physical Data
Sensor
Wetted Material: 17-4 PH
Housing: 304 SS
Connections
Pressure: 1/4" MNPT, SAE-4

Environmental Data
Temperature
Operating: -40°C to 85°C
Storage: -50°C to 125°C
Thermal Limits
Compensated Range: 0°C to 50°C Typical
Thermal Effect Zero: $\leq \pm 1.5\%$ FS
Thermal Effect Span: $\leq \pm 1.5\%$ FS

Performance @ 25 °C
Accuracy: $< \pm 0.25\%$ BFSL <sup>4</sup>
Stability: (1 year): $< \pm 0.25\%$ FSO, Typical
Overpressure Protection: 200% FSO
Burst Pressure: 300% FSO
Pressure Cycles: > 100 Million
Temperature Range: -40°C to +85°C
Response: $\leq 5$ ms to 90%

Electrical Data
Excitation: 10-29 VDC
Current Consumption: < 10 mA
Zero Offset: $\leq \pm 0.1\%$ of FS
Span Tolerance: $\leq \pm 1.0\%$ of FS
Output Load: >5K $\Omega$ (Voltage), 800 $\Omega$ 24 VDC (4-20 mA)

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

