

1000LT Series OEM Pressure Transducer



- **Eliminate Drift – Fused Bond sensor technology for long term stability**
- **Sensor wetted material machined from solid stainless steel bar stock – no welding**
- **RFI/EMI protection on every transducer**
- **Outputs: 4-20mA, 1-5 Vdc and 1-6 Vdc, mV/V and ratiometric**
- **Pressure ranges: 0-5 PSI to 10,000 PSI**
- **Standard accuracy of 0.25% BFSL**

Performance @ 25°C (77°F)

Accuracy: $<\pm 0.25\%$ BFSL
Stability (1 year): $<\pm 0.25\%$ FS, typical
Over pressure protection: 2X Rated Pressure
Burst Pressure: 5X or 20,000 PSI (whichever is less)
Pressure Cycles: >100 Million
Temperature range: -55 to $+125^{\circ}\text{C}$ (-65 to $+250^{\circ}\text{F}$)
Temperature Accuracy: $\pm 1^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)

Environmental Data

Operating temp: -40 to $+85^{\circ}\text{C}$ (-40 to $+185^{\circ}\text{F}$)
Storage temp: -50 to $+125^{\circ}\text{C}$ (-60 to $+250^{\circ}\text{F}$)
Compensated range: 0 to 55°C (32 to 130°F)
Temp comp Zero: $<\pm 1.5\%$ FS
Temp comp Span: $<\pm 1.5\%$ FS

Electrical Data

Excitation: 5 Vdc, ratiometric and mV
10-29 Vdc, voltage and current
Output: 4-20mA, 1-5 Vdc, 1-6 Vdc, 0-50 mV,
0.5-4.5 ratiometric
Current consumption: $<5\text{mA}$, Ratiometric and
mV/V
 $<10\text{mA}$, current and voltage
Zero offset: $<\pm 1\%$ of FS
Span tolerance: $<\pm 1\%$ of FS
Output load: 5K Ohm (voltage)
800 Ohm@24 Vdc (4-20mA)

Physical data

Sensor wetted material: 17-4 PH stainless (316SS
Optional)
Pressure Connection: 1/4" & SAE-4 male, others
on application
Electrical connection: 24" leads, 1/2" MNPT conduit
connection, DIN 43650

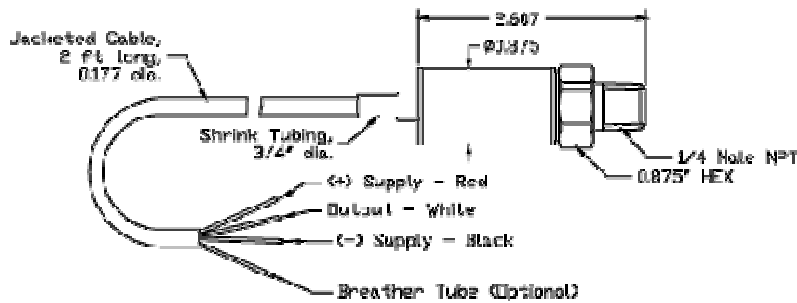
Vibration: 10G peak, 20 to 2000 Hz
Shock: 100G, 11msec; 1/2 sine

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Ordering guide – Example: 1000LT-A-(0-100PSI)-2-M-EC1-174

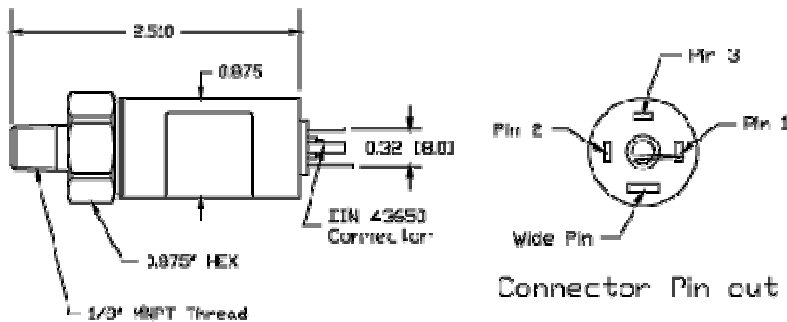
1000LT Model	A Pressure port	0-100PSI Range	2 Units	M Output	EC1 Connector	174 Material
1000LT	A=1/4" MNPT B=SAE-4 male C=Other	Specify pressure range in: PSI (5-10,000) or equivalent in BAR, kPa, etc.	2=Gauge 4=Sealed 5=Compound 6=Other	D=4-20mA M=1-5Vdc N=1-6Vdc P= 5 mV/V R=Ratiometric (0.5 to 4.5v) X=Other	EC1=36" wiring Leads EC3=Mini DIN EC9=1/2"MNPT w/24" leads ECX=Other	174=17-4 ss 316=316 ss

Dimensions: Model 1000LT



Wiring	4-20mA output, Cable
White	+ excitation
Black	- excitation/signal
Power	10-29 Vdc

Wiring	Voltage output, Cable
Red	+ excitation
White	- signal
Black	- excitation/signal
Power	10-29 Vdc



Output	Pin 3	Pin 2	Pin 1
1-5V	+V Supply	-V Supply	Output
4-20mA	+V Supply	-V Supply	N/C

Above dimensions may vary with options. Specifications subject to change without prior notice.