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% BFSL (Standard), 0.2% BFSL (Optional) – contact factory 0.1% BFSL or other options
- ¼” NPT, SAE-4, F-250C process connections standard – contact factory for other options

- Standard ranges from 0-5 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 120°C

REFERENCE DIMENSIONS:
**Model 1000X OEM Pressure Transducer**

Ordering Guide: 1000X-A-(0-300PSI)-2-E-5-EC1

<table>
<thead>
<tr>
<th>A</th>
<th>PRESSURE PORT</th>
<th>D</th>
<th>PRESSURE OUTPUT</th>
<th>5</th>
<th>EC1</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = ¼” MNPT</td>
<td>PSI</td>
<td>1 = ABSOLUTE</td>
<td>D = 4-20 mA</td>
<td>5 = 0.5%</td>
<td>EC1 = 36” PIGTAIL</td>
</tr>
<tr>
<td>B = SAE-4 MALE</td>
<td>BAR</td>
<td>2 = GAUGE</td>
<td>E = 0-5 VDC</td>
<td>25 = 0.25%</td>
<td>EC2 = LARGE DIN 43650, FORM A</td>
</tr>
<tr>
<td>C = OTHER</td>
<td>kPA</td>
<td>3 = VACUUM</td>
<td>F = 0-10 VDC</td>
<td>EC3 = MINI DIN 4365, FORM C</td>
<td></td>
</tr>
<tr>
<td>D = 1/8” MNPT</td>
<td>INCHES WC</td>
<td>4 = SEALED</td>
<td>M = mV/V</td>
<td>EC4 = BENDIX PTIH-10-6P</td>
<td></td>
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<tr>
<td>E = F-250C</td>
<td>TORR</td>
<td>5 = COMPOUND</td>
<td></td>
<td>ECT = TURCK M12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 = OTHER</td>
<td></td>
<td>ECX = OTHER</td>
<td></td>
</tr>
</tbody>
</table>

1. OTHER RANGES AVAILABLE, CONSULT FACTORY
2. CUSTOM PINOUTS/WIRING AVAILABLE
3. PVC STANDARD CABLE JACKET – OTHERS AVAILABLE ON REQUEST

### TYPICAL APPLICATIONS

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<td>Rocket/Jet Engine Testing</td>
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<td>Diesel-Internal Combustion</td>
<td>Emission Testing</td>
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<td>Bake Testing</td>
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<td>Laboratory/Research</td>
<td>Military</td>
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### Performance @ 25 °C

Accuracy: < ± 0.5% BFSL to 0.2% BFSL

Stability: (2 year): < ± 0.20% FSO, Typical

Overpressure Protection: 150% FSO

Burst Pressure: 300% FSO

Pressure Cycles: > 50 Million

Temperature Range: -20°C to +85°C

Response: ≤ 5 ms to 90%

### Environmental Data

**Temperature**

Operating: -20°C to 120°C

Storage: -40°C to 125°C

**Thermal Limits**

Compensated Range: 0°C to 85°C

Thermal Effect Zero: ≤ ±1.5% FS

Thermal Effect Span: ≤ ±1.5% FS

### Physical Data

**Sensor**

- Wetted Material: 316 SS
- Housing: 316 SS

**Connections**

- Pressure: ¼” MNPT, SAE-4, F-250C

### Electrical Data

**Excitation:** 9-36 VDC (4-20 mA), 9-36 VDC (0-5V, 0-10V)

Current Consumption: < 5 mADC

Zero Offset: ≤ ± 0.25% of FS

Span Tolerance: ≤ ±1.0% of FS

Output Load: > 10K Ω

Range Cal Signal: Internal Resistor 100%

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4. Accuracy includes non-linearity, hysteresis and non-repeatability