Model M1000HF High Frequency Pressure Transducer

- Output Signal: 80 ±20 mV
- 0.5% BFSL (Standard), 0.2% BFSL, 0.1% BFSL (Optional)
- ¼” NPT, ½” NPT, G 1/2, – contact factory for other options
- Standard ranges from 0-1.5 psi to 0-15000 psi
- Uses MEMS Technology
- High Frequency Response - 1 µs

FEATURES:

MEMS Pressure Sensing Element – Silicon Dies
High Accuracy, High Stability, High Reliability
Flush Diaphragm
Wide pressure range
High Frequency – 1 MHz max

REFERENCE DIMENSIONS:
Ordering Guide: M1000HF-A-(0-300PSI)-2--5-EC1

<table>
<thead>
<tr>
<th>PRESSURE PORT</th>
<th>RANGE 1</th>
<th>TYPE</th>
<th>ACCURACY (BFSL)</th>
<th>CONNECTOR 2</th>
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<td>A = ¼&quot; MNPT</td>
<td>PSI</td>
<td>1</td>
<td>ABSOLUTE</td>
<td>EC1 = 36&quot; PIGTAIL 3</td>
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<td>C = OTHER</td>
<td>BAR</td>
<td>2</td>
<td>GAUGE</td>
<td>EC4 = BENDIX PTIH-10-6P</td>
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<td>3</td>
<td>VACUUM</td>
<td>1 – 0.1% BFSL</td>
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<td>SEALED</td>
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TYPICAL APPLICATIONS

- Laboratory/Research
- Oil/Gas
- Construction
- Rocket/Jet Engine Testing
- Diesel-Internal Combustion
- Military
- Geological Testing
- Hydraulic Power Generation

SPECIFICATIONS

- Media Compatibility: Gas/Liquid Compatible with wetted materials
- Dynamic Frequency: Max 1MHz
- Pressure Range: 0-1.5 Psi to 015000 Psi
- Overpressure: ≥ 200% FS
- Wetted Material: 316 Stainless Steel
- Output Signal: 80±20 mV
- Zero Offset: ≤ 2mv
- Excitation: 1.5 mA or 9VDC
- Long-Term Stability: <0.2% FS/Year
- Compensated Temperature Range: 0 to 70°C
- Storage Temperature Range: -40 to 100°C
- Operating Temperature Range: -10 to 80°C
- Housing Material: 316 Stainless Steel
- Temperature Coefficient of Zero: 0.3% FS/10°C
- Temperature Coefficient of Span: 0.3% FS/10°C
- Input/output Resistance: 1-6kΩ
- Insulation Resistance: 100MΩ@50VDC