The 86 compensated is a small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing.

Pressure:
- Sensor Type: Media Isolated mV Output Pressure Sensors
- Type: Absolute, Gage
- Output/Span: 100mV
- Operating Temperature Range: -40°C to 125°C

The 86 compensated is designed for o-ring mounting and OEM applications where compatibility with corrosive media is required.

The sensing package utilizes silicon oil to transfer pressure from the 316L stainless steel diaphragm to the sensing element. A ceramic substrate is attached to the package that contains laser-trimmed resistors for temperature compensation and offset correction. An additional laser trimmed resistor is included which can be used to adjust an external differential amplifier and provide span interchangeability to within ±1%.

**BENEFITS**
- 316L SS Pressure Sensor
- Small Profile
- 0 - 100mV Output
- Absolute and Gage
- Temperature Compensated
- O-Ring Mount
- -40°C to +125°C Operating Temperature Range
- ±0.2% Pressure Non Linearity
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability

**Features**

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<th>Product Type Features</th>
<th>Media Isolated mV Output Pressure Sensors</th>
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<td>Sensor Type</td>
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</table>
16MM MV OUTPUT PRESSURE SENSOR

TE Model #: 86C
TE Internal #: CAT-MIPS0020

**Configuration Features**

| Electrical Connection | Cable w/ Connector, Ribbon Cable |

**Electrical Characteristics**

| Supply Current (mA) | 1.5 |

**Dimensions**

| Dimensions (mm) | Dia 15.82 x 11.4 |
| Dimensions (in) | Dia .622 x .448 |

**Usage Conditions**

| Operating Temperature Range (°C) | -40 - 125, -40 - 125 |
| Operating Temperature Range (°F) | -40 - 257, -40 - 257 |

**Operation/Application**

| Overpressure | 3X |
| Pressure (psi) | 5, 15, 30, 50, 100, 300, 500 |
| Output/Span | 100mV |

**Packaging Features**

| Package | O-Ring Mount |

**Other**

| Non-Linearity (%) | ± .1 |
| Options | No Tube, Vent Tube |

**Related Materials**

**Data Sheet**

86C

**English**

**Also in the Series**

**MEAS 86 Series**

Media Isolated Pressure Sensors(44)