



Acam Instrumentation Ltd

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This Acam flush miniature pressure transducer offers a range of pressure from 10 to 400 bar. Employing ceramic technology it is very stable. The standard is an amplified device giving 1 volt range but other values of range, and indeed, zero pressure output are available to special order. Very high temperature units are available without amplification, although our normal standard is stainless steel, other transducer materials may be used. For example Titanium or Inconel.



Typical Pressure Transducer

In addition the measured fluid sees a viton seal. Temperature ranges up to 125 deg C are available. Transducers and sensors can be designed to customers specific requirements. In this case we will need to know the full details of the application, including fluids at the diaphragm, environmental conditions, the media surrounding the transducer, temprature range and if high levels of shock may be present. Acam have had a commitment to quality, customer service and technological advancement for over 40 years!

| Specification | |
|-------------------------------|------------------------------------------|
| Pressure Range | 1 to 350 Bar |
| Over pressure | 1.5 Pressure Range |
| Media | Compatible with SS, Viton & Ceramic |
| Excitation | 7 to 30 Volts |
| Current Typical | 2 mA |
| Full Scale Output | 1 Volt and to Order |
| Zero Pressure Output | 500 mV +/- 100 mV |
| Static Error Band | <0.4% FSO |
| Repeatability | <0.1% FSO |
| Insulation Resistance | <100 Mohms @ 50 VDC |
| Compensated Temperature Range | 0 to 120 deg C |
| Operating temperature Range | -55 to 125 deg C |
| Thermal Zero Shift | <1% / 50 deg C |
| Thermal Span Shift | <1% / 50 deg C |
| Electrical Interference | Screened Cable - Connector Special Order |
| Mechanical Interference | Flush Diaphragm 3/8 UNF |

Pressure Transducer