

"DEVELOPED FOR
PERFORMANCE
AND RELIABILITY"

ACAM INSTRUMENTATION LTD

FOR TRANSDUCERS AND ELECTRONICS



FLUSH MINIATURE PRESSURE



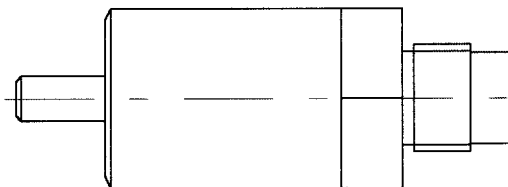
This Acam flush miniature pressure transducer offers a range of pressure from 10 to 400 bar.

Employing ceramic technology it is very stable. The standard is a 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 to special order.

Sensor material may vary according to application, although our normal standard is stainless steel other transducer materials may be used, for example Titanium or

MINIATURE FLUSH PRESSURE

Inconel. In addition the measured fluid sees a viton seal and ceramic. Temperature ranges up to 125 degC. are available. Transducer and sensors can be designed to customer's specific requirements. In which case we will need to know the full details of the application, including fluids at the diaphragm, environmental conditions, the media surrounding the transducer, temperature range, and if high levels of vibration or shock may be present. We have a commitment to quality, state of the art technology, and personal service, with over thirty years of specialists experience in sensor and transducer design.



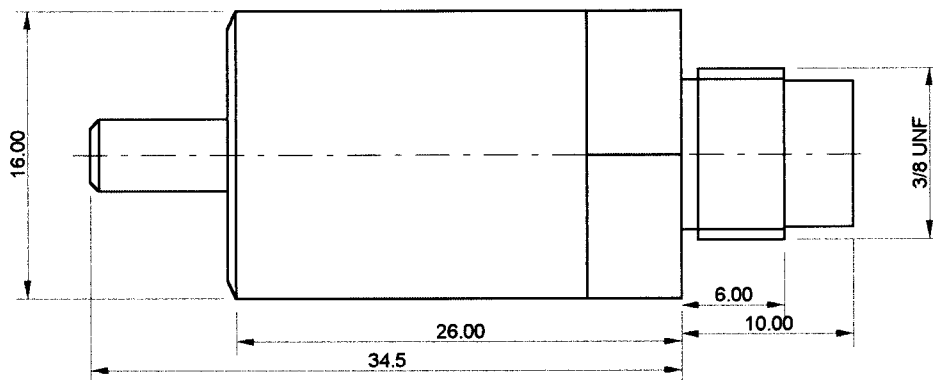
MINIATURE FLUSH PRESSURE SENSOR

Acam Instrumentation Ltd
23 Thomas St
Northampton
NN1 3EN
Tel- 01604 628700
Fax- 01604 628700
or Tel/Fax 07000 ACAMLT



Acam Instrumentation Ltd
Manufacture A Variety Of
Standard And Special Sensors
For The Measurement Of Load
Pressure Torque and Strain.
Please ask for Details

Associated Companies
 Trading -
 L H TRANSDUCERS LTD
 SANDHURST SCIENTIFIC INSTRUMENT CO LTD
 SANDHURST TECHNOLOGY LTD
 SANDHURST TRANSDUCERS LTD



PRESSURE RANGE	1 TO 350 BAR
OVER PRESSURE	1.5 PRESSURE RANGE
MEDIA	COMPATIBLE WITH SS,SEALS AND CERAMIC
EXCITATION	7 TO 30 VOLTS
CURRENT TYPICAL	2 mA
FULL SCALE OUTPUT	1 VOLT & 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 TEMP RANGE	0 TO 120 degC
OPERATING TEMP RANGE	-55 TO 125 degC
THERMAL ZERO SHIFT	<1%/50degC
THERMAL SPAN SHIFT	<1%/50 degC
ELECTRICAL INTERFACE	SCREENED CABLE CONNECTOR SPECIAL ORDER
MECHANICAL INTERFACE	FLUSH DIAPHRAGM 3/8 UNF

Registered in England No 1549383
 Registered Office: 23 Thomas St Northampton NN1 3EN
 V.A.T No 314 9529 50

"DEVELOPED FOR
PERFORMANCE
AND RELIABILITY"

ACAM INSTRUMENTATION LTD

FOR TRANSDUCERS AND ELECTRONICS



**MINIATURE
PRESSURE**

This Acam miniature amplified pressure transducer offers a range of pressure from 10 to 400 bar.

Employing ceramic technology it is ultra stable. Sensor material may vary according to application, although our normal standard is stainless steel other transducer materials may be used, for example Titanium or Inconel. In addition the measured fluid sees a viton seal and ceramic. Temperature ranges up to 125 degC. are available. The standard is a amplified device giving 1 volt range but other values of range and indeed zero pressure output are available to special

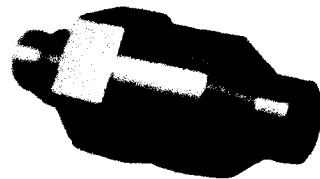
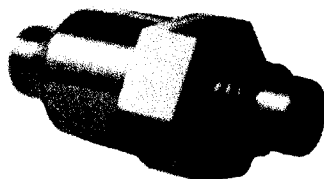
**A
M
P
L
I
F
I
E
D**

order. Very high temperature units (180 degC and higher) are available without amplification to special order.

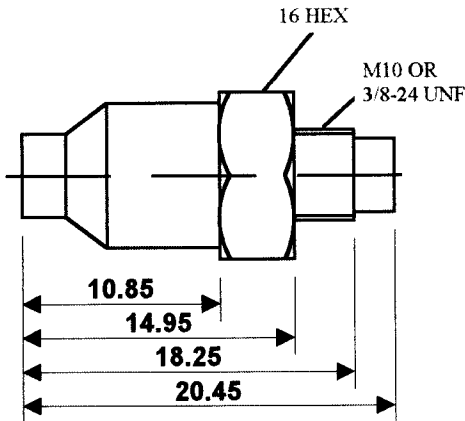
Transducer and sensors can be designed to customer's specific requirements. In which case we will need to know the full details of the application, including fluids at the diaphragm, environmental conditions, the media surrounding the transducer, temperature range, and if high levels of vibration or shock may be present. We have a commitment to quality, state of the art technology, and personal service, with over thirty years of specialists experience in sensor and transducer design.



MINIATURE AMPLIFIED PRESSURE SENSOR



Acam Instrumentation Ltd
23 Thomas St
Northampton
NN1 3EN
Tel- 01604 628700
Fax- 01604 628700
or Tel/Fax 07000 ACAML T



Acam Instrumentation Ltd
Manufacture A Variety Of
Standard And Special Sensors
For The Measurement Of Load
Pressure Torque and Strain.
Please ask for Details

PRESSURE	1 TO 350 BAR
OVER PRESSURE	1.5 BAR
MEDIA	COMPATIBLE WITH SS,SEALS
EXCITATION	7 TO 30 VOLTS
CURRENT TYPICAL	2 mA
FULL SCALE OUTPUT	1 VOLT & 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 TEMP RANGE	0 TO 120 degC
OPERATING TEMP RANGE	-55 TO 125 degC
THERMAL ZERO SHIFT	1%/50degC
THERMAL SPAN SHIFT	1%/50 degC
ELECTRICAL INTERFACE	SCREENED CABLE CONNECTOR SPECIAL ORDER
MECHANICAL INTERFACE	M10 OR 3/8-24 UNF
MOUNTING TORQUE	100 lbs/in

Registered in England No 1543383
Registered Office: 23 Thomas St Northampton NN1 3EN
V.A.T. No: 314 9529 50