



PRESSURE TRANSDUCER

PT 209 A - g/abs. SERIES

FEATURES :

- Stainless Steel
- Small Size & Light Weight
- 0 - 5 V Output (Full Scale)
- Excellent Linearity & Hysteresis
- Absolute & Gauge Versions

APPLICATIONS :

- Avionics
- Hydraulic
- Process Control
- Automobiles



“AJAY SENSORS” Pressure Transducer, Type PT 209 A - g/abs. series is based on a high performance sensor developed specifically for industrial and process applications. Uses 316 stainless steel diaphragm and stainless steel body, which is compatible with most fluid and gaseous pressure media.

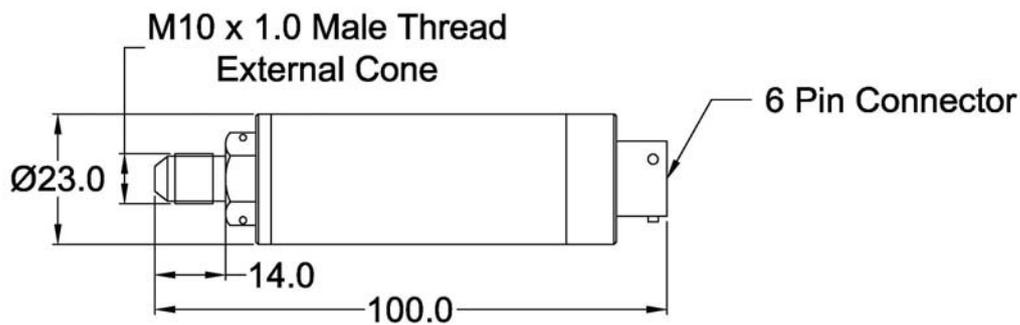
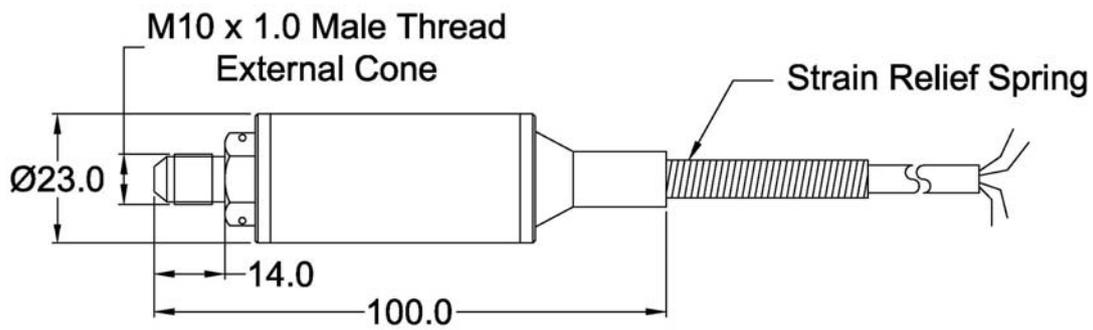
Each transducer incorporates a high performance silicon micro machined sensor mounted in a glass to metal seal which is electron beam welded to an isolation diaphragm so that only stainless steel is in contact with pressure media. These transducers have high output, accurate to within $\pm 0.15\%$ FSO BSL. It has very low hysteresis. Resists to-drop shock, impact and continuous vibration. Operates at temperature ranging from (-) 40°C to $+125^{\circ}\text{C}$ and compensated from 0°C to 80°C . In built surface mount electronic components provided amplified output.

Pressure transducers can be supplied with a Digital Indicator, which offers a variety of features as listed in 289 Series Data Sheet.

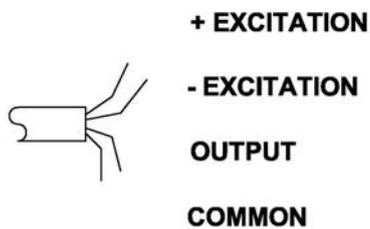
SPECIFICATIONS

Pressure Range	350 mbar, 700 mbar Gauge 1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35, 60, 70, 100, 200, 350 bar Gauge / Absolute		
Output	0 - 5 V (Nominal)	Compensated Temp. Range	0°C to $+80^{\circ}\text{C}$
Non-Linearity	$\pm 0.10\%$ F.S	Use Temperature Range	(-) 40°C to $+125^{\circ}\text{C}$
Hysteresis	$\pm 0.05\%$ F.S	Temp. Effect	$\pm 0.20\%$ F.S/ $^{\circ}\text{C}$
Resolution	Continuous	Safe Overload	4 times for 350 mbar to 60 bar
Zero Balance	$\pm 1.0\%$ F.S		2 times for 70 bar to 350 bar
Insulation Resistance	$\geq 500\ \text{M}\Omega$ @ 45 VDC	Natural Resonant Frequency	Over 210 KHz
Excitation Voltage	± 15.0 VDC	Electrical Connection	Connector / 3m Pig Tail Cable
Pressure Media	Stainless Steel 316	Pressure Connection	M10 x 1 / M14 x 1.5 mm Male

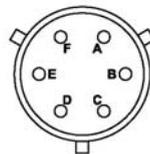
Dimensions (mm) :



Wiring Schematic Diagram :



62-IN-12E-10-6P Connector Details :



PIN 'A' : + EXCITATION
PIN 'B' : - EXCITATION
PIN 'C' : COMMON
PIN 'D' : OUTPUT
PINS 'E' & 'F' : SHUNT CAL.

"AJAY SENSORS" RANGE OF PRODUCTS :

- Load Cells
- Pressure Transmitters
- Pressure Switch
- Digital Indicators
- Proximity Sensors
- LVDT's / Linear Potentiometer
- Thermocouples & RTD
- Temperature Switch

Manufactured By :



Ajay Sensors & Instruments

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Marketed By :

N.B. : Due to continuous development, we reserve the right to amend any Specification without notice.