



PRESSURE TRANSDUCER

PT 209 - g/abs. SERIES

FEATURES :

- Stainless Steel
- Small Size & Light Weight
- Temperature Compensated



APPLICATIONS :

- Hydraulic
- Process Control
- Robotic
- Automobiles

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

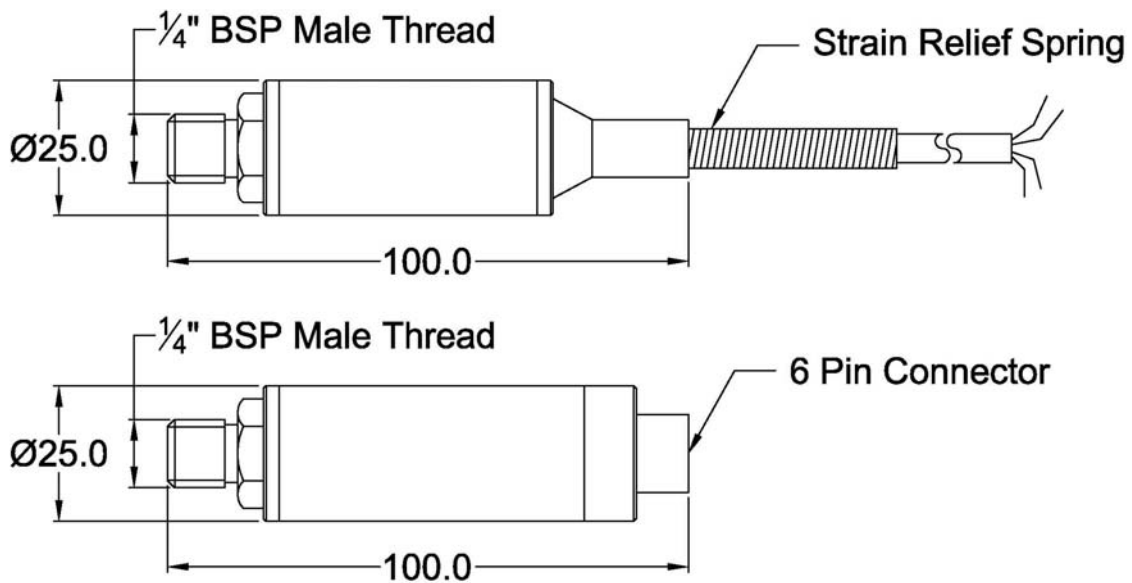
Each transducer incorporates a high performance silicon micro machined sensor mounted in a glass to metal seal which is electron beam welded to an isolation diaphragm so that only stainless steel is in contact with pressure media. These transducers have high output, accurate to within $\pm 0.15\%$ FSO BSL. It has very low hysteresis. Resists to-drop shock, impact and continuous vibration. Operates at temperature ranging from (-) 40 °C to +125°C. Transducers can be supplied with signal conditioners (in-built) for high-level outputs (0-5V / 10V) as specified in 209-A data sheet. All transducers are individually calibrated and certified for its accuracies.

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

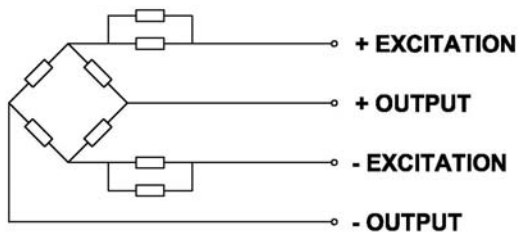
SPECIFICATIONS

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		
Rated Output	100 mV \pm 3 mV	Compensated Temp. Range	(-) 20 °C to + 80 °C
Non-Linearity	\pm 0.10 %F.S	Use Temperature Range	(-) 40 °C to + 125 °C
Hysteresis	\pm 0.05 %F.S	Temp. Effect	\pm 0.20 %F.S/°C
Resolution	Continuous	Safe Overload	4 times for 350 mbar to 60 bar
Zero Balance	\pm 3.0 mV		2 times for 70 bar to 350 bar
Input Resistance	19 K Ω Nominal	Natural Resonant Frequency	Over 210 KHz
Output Resistance	5 K Ω Nominal	Pressure Media (Compatible)	Stainless Steel
Insulation Resistance	\geq 500 M Ω @ 45 VDC	Electrical Connection	Connector / 3m Pig Tail Cable
Excitation Voltage	10.0 VDC	Pressure Connection	¼” BSP Male Thread

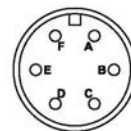
Dimensions (mm) :



Wiring Schematic Diagram :



Connector Details :



- PINS 'A' & 'F' : + EXCITATION
- PINS 'B' & 'E' : - EXCITATION
- PIN 'C' : + OUTPUT
- PIN 'D' : - OUTPUT

"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

45/17, 12th "A" Cross, Gubbanna Indl. Garden,
VI Block, Rajajinagar, Bangalore - 560 010.
Tel : 080 - 2330 4997; Fax : 080 - 2338 1040.
E-mail: ajaysensors@yahoo.com ;
Website: www.ajaysensors.com

Marketed By :

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