



DIFFERENTIAL PRESSURE TRANSDUCER

PT 205 - SERIES

FEATURES :

- Stainless Steel
- Wet / Wet, Wet / Dry
- Temperature Compensated

APPLICATIONS :

- Hydraulic
- Process Control
- Robotic
- Automobiles



“AJAY SENSORS” Pressure Transducer, Type PT 205 - Differential 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.

The 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 $\pm 0.5\%$ 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.

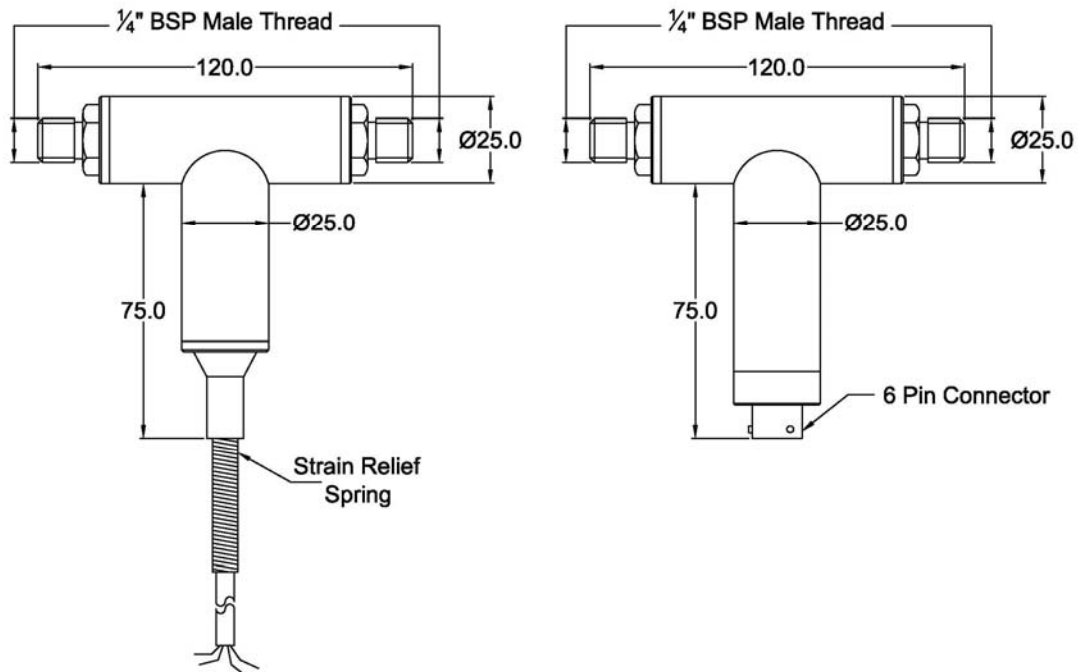
Transducers can be supplied with signal conditioners (in-built) for high-level outputs (0-5V / 10V) as specified in 215 data sheet. All transducers are individually calibrated and certified for its accuracies.

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

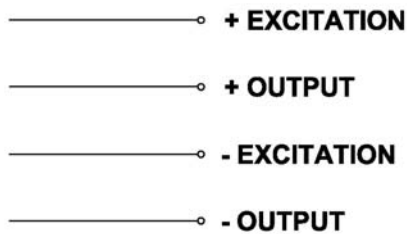
SPECIFICATIONS

Pressure Range	350 mbar, 700 mbar 1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35 bar Differential	Static Pressure	
Rated Output	50 mV Nominal	Compensated Temp. Range	(-) 20 °C to + 80 °C
Non-Linearity	± 0.40 %F.S	Use Temperature Range	(-) 40 °C to + 125 °C
Hysteresis	± 0.10 %F.S	Safe Overload	1.5 times for Full Scale Pressure
Zero Balance	± 3.0 mV	Resolution	Continuous
Input Resistance	8 K Ω Nominal	Natural Resonant Frequency	Over 210 KHz
Output Resistance	2.5 K Ω Nominal	Pressure Media (Compatible)	Stainless Steel
Insulation Resistance	≥ 500 M Ω @ 45 VDC	Electrical Connection	Connector / 3m Pig Tail Cable
Excitation Voltage	10.0 VDC	Pressure Connection	¼” BSP / M14 X 1.5 mm Male

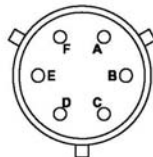
Dimensions (mm) :



Wiring Schematic Diagram :



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



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Marketed By :

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