



## DIFFERENTIAL PRESSURE TRANSMITTER

### PT 215 - SERIES

#### FEATURES :

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

#### APPLICATIONS :

- Hydraulic
- Process Control
- Robotic
- Automobiles



“AJAY SENSORS” Pressure Transmitter, Type PT 215 - 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.

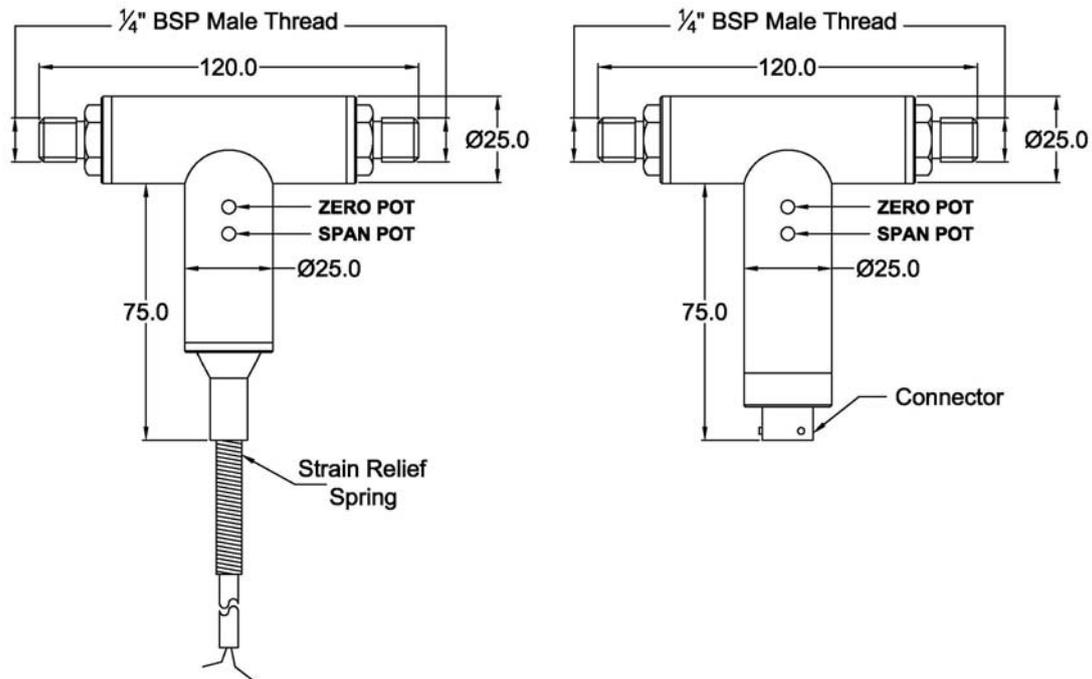
Each Transmitter incorporates a high performance silicon micro machined sensor mounted in a glass to metal seal which is electron beam welded to an isolation diaphragm so that only stainless steel is in contact with pressure media. These transmitters have high output, accurate to within  $\pm 0.5\%$  FSO BSL. It has very low hysteresis. Resists to-drop shock, impact and continuous vibration. Operates at temperature ranging from (-)  $40^{\circ}\text{C}$  to  $+ 125^{\circ}\text{C}$ .

Differential Pressure transmitters 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		
Output	4 - 20 mA	Compensated Temp. Range	$0^{\circ}\text{C}$ to $60^{\circ}\text{C}$
Non-Linearity	$\pm 0.25\%$ F.S	Use Temperature Range	(-) $20^{\circ}\text{C}$ to $+ 80^{\circ}\text{C}$
Hysteresis	$\pm 0.20\%$ F.S	Temp. Effect on Zero	$\pm 0.010\%$ F.S/ $^{\circ}\text{C}$
Resolution	Continuous	Temp. Effect on Span	$\pm 0.010\%$ F.S/ $^{\circ}\text{C}$
Zero Balance	$\pm 1.0\%$ F.S	Natural Resonant Frequency	Over 8 KHz
Insulation Resistance	$\geq 500\ \text{M}\Omega$ @ 45 VDC	Electrical Connection	Connector / 3m Pig Tail Cable
Excitation Voltage	24 VDC (12-30 VDC)	Pressure Connection	$\frac{1}{4}$ " BSP / M14 X 1.5 mm Male
Safe Overload	150 %F.S	Load Resistance	600 $\Omega$ Maximum
Compatible Media	Stainless Steel	External Zero & Span Pot	$\pm 1\%$ Field Adjustable

Dimensions (mm) :



Wiring Schematic Diagram :

Red : + 24 VDC (12-30 VDC)  
White : Output (4 - 20 mA)

Connector Details :

Pin 'A' : + 24 VDC (12-30 VDC)  
Pin 'B' : Output (4 - 20 mA)

"AJAY SENSORS" RANGE OF PRODUCTS :

- Load Cells
- Pressure Transducers
- 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.