



# PRESSURE TRANSMITTER

## PT 210 - g SERIES

### FEATURES :

- 4-20 mA Output (2/3 wires)
- Stainless Steel
- Reverse Polarity Protection
- Temperature Compensated
- Immune to Electrical Noise

### APPLICATIONS :

- Hydraulic
- Refrigeration System
- Process Control
- Robotic
- Automobiles
- R & D Establishments



“AJAY SENSORS” Pressure Transmitter, Type 210 - g series utilize four temperature matched foil strain Gauges within a robust stainless steel construction, providing a highly stable bridge with precise pressure conversion performance and excellent resistance to oxidation, chemical and metallurgical changes.

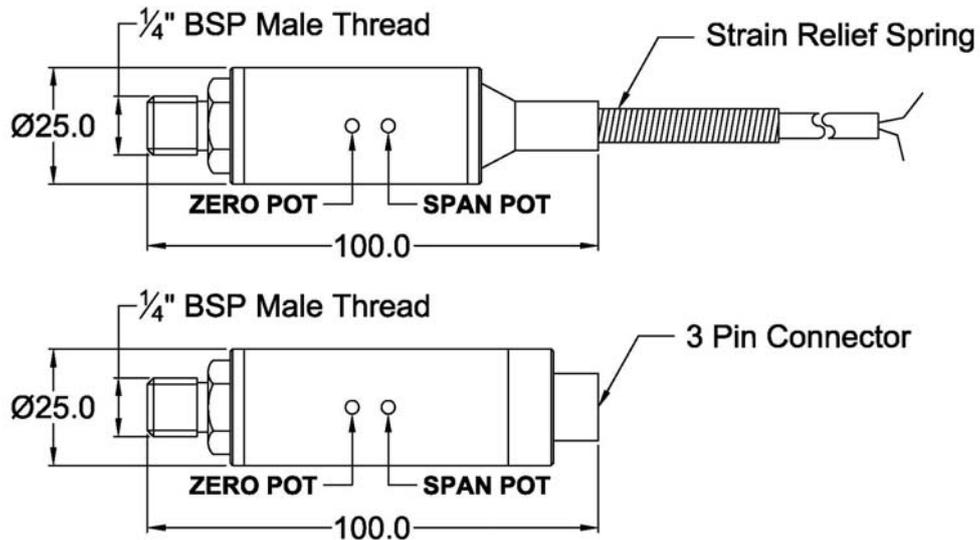
High reliability and stability are the features of type 210-g Series built-in to provide transmitter accuracy in adverse environmental conditions. Designed to fit into the familiar 2/3 wires, 4 - 20 mA control loops.

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

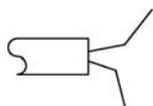
### SPECIFICATIONS

Pressure Range (Kg/Cm <sup>2</sup> )	1, 5, 10, 20, 30, 50, 100, 150, 200, 250, 300, 400, 500, 600, 800		
Output	4 - 20 mA	Compensated Temp. Range	0 °C to 60 °C
Non-Linearity	± 0.15 %F.S	Use Temperature Range	(-) 20 °C to + 80 °C
Hysteresis	± 0.05 %F.S	Temp. Effect on Zero & Span	± 0.010 %F.S/°C
Resolution	Continuous	Load Resistance	600 Ω Maximum
Zero Balance	± 1.0 %F.S	Natural Resonant Frequency	Over 8 KHz
Insulation Resistance	≥ 500 MΩ @ 45 VDC	Pressure Media (Compatible)	Stainless Steel
Excitation Voltage	24 VDC (12-30 VDC)	Electrical Connection	Connector / 3m Pig Tail Cable
Safe Overload	150 %F.S	Pressure Connection	¼” BSP / M14 X 1.5 mm Male
External Zero & Span Pot	± 1.0% FSO Field Adjustable		

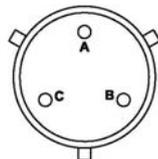
Dimensions (mm) :



Wiring Schematic Diagram :



**+ EXCITATION**  
**CURRENT OUTPUT**



**PIN 'A' : + EXCITATION**  
**PIN 'B' : CURRENT OUTPUT**  
**PIN 'C' : OPEN**

Connector Details :

"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**

45/17, 12<sup>th</sup> "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.