



PRESSURE TRANSDUCER

PT 201 - g SERIES

FEATURES :

- o Stainless Steel
- o Choice of Electrical & Pressure Connection
- o Temperature Compensated

APPLICATIONS :

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



“AJAY SENSORS” Pressure Transducer, Type 201 - g series employs Strain Gauge (Foil Type) bonded to an integrally machined diaphragm and connected in a four active arm wheat stone bridge circuit. These transducers are fully temperature compensated for zero and sensitivity drift for a wide range.

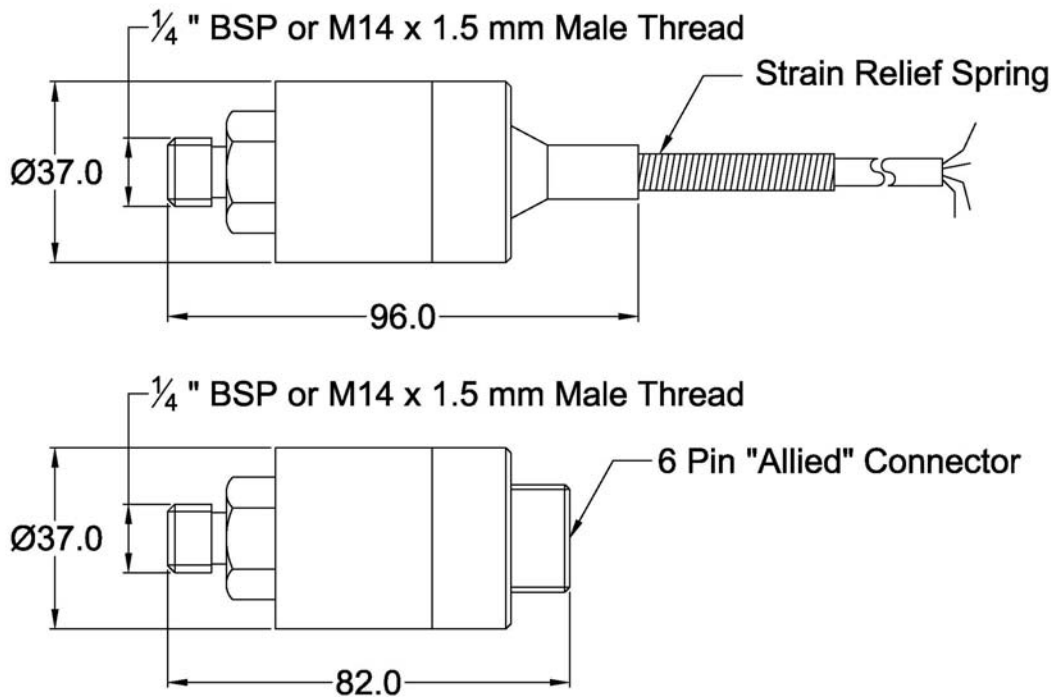
All transducers are stainless steel constructed, and withstands shock and vibration. Transducers are available in low and high level electrical voltage and current output. All transducers are individually calibrated and certified for its accuracies.

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

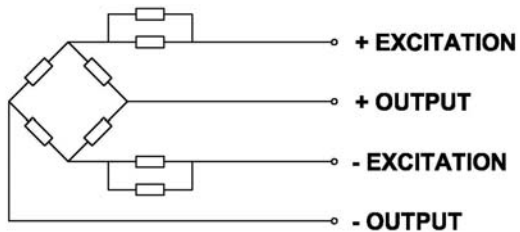
SPECIFICATIONS

Pressure Range (Kg/Cm ²)		20, 30, 50, 100, 150, 200, 250, 300, 400, 500, 600, 800	
Special Range (Kg/Cm ²)		1000, 1500, 2000	
Rated Output	2.0 mV/V $\pm$ 0.1	Compensated Temp. Range	0°C to 80°C
Non-Linearity	$\pm$ 0.25 %F.S	Use Temperature Range	(-) 20°C to 110°C
Hysteresis	$\pm$ 0.20 %F.S	Temp. Effect on Zero	$\pm$ 0.010 %F.S/°C
Resolution	Continuous	Temp. Effect on Span	$\pm$ 0.010 %F.S/°C
Zero Balance	$\pm$ 2.0 %F.S	Safe Overload	150 %F.S
Input Resistance	400 Ω $\pm$ 30	Natural Resonant Frequency	Over 8 KHz
Output Resistance	350 Ω $\pm$ 5	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 / M14 X 1.5 mm Male

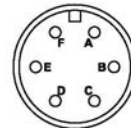
Dimensions (mm) :



Wiring Schematic Diagram :



Connector Details :



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

"AJAY SENSORS" RANGE OF PRODUCTS :

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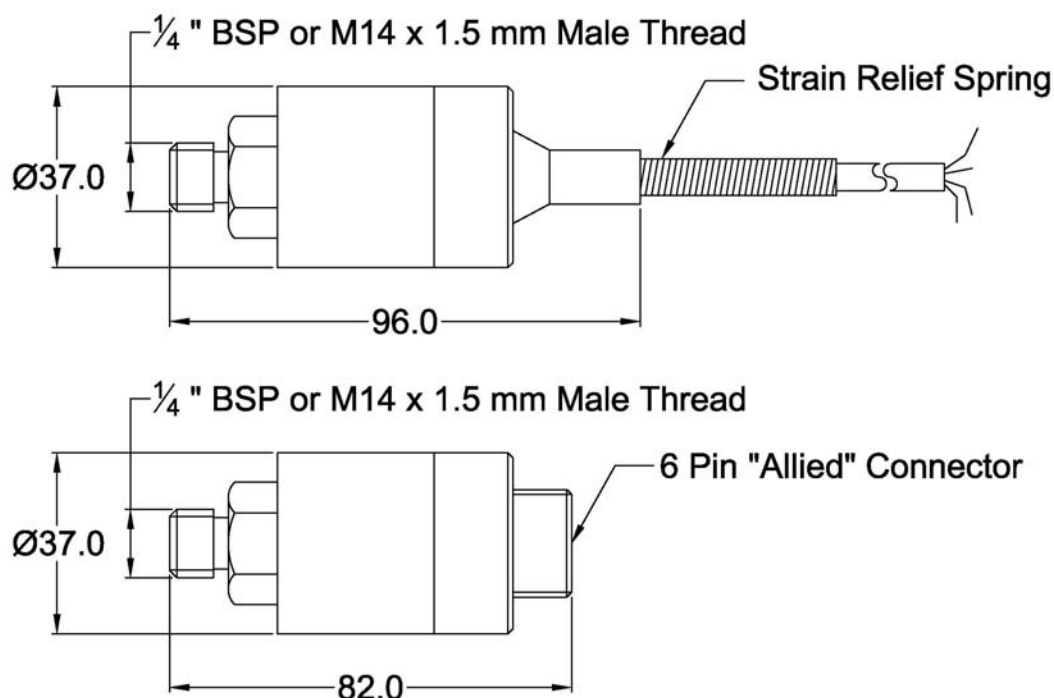
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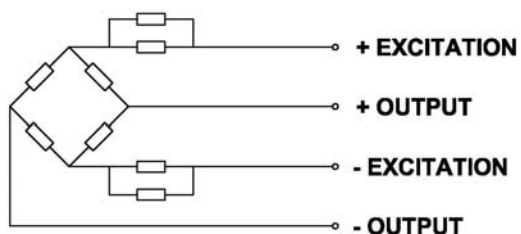
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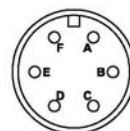
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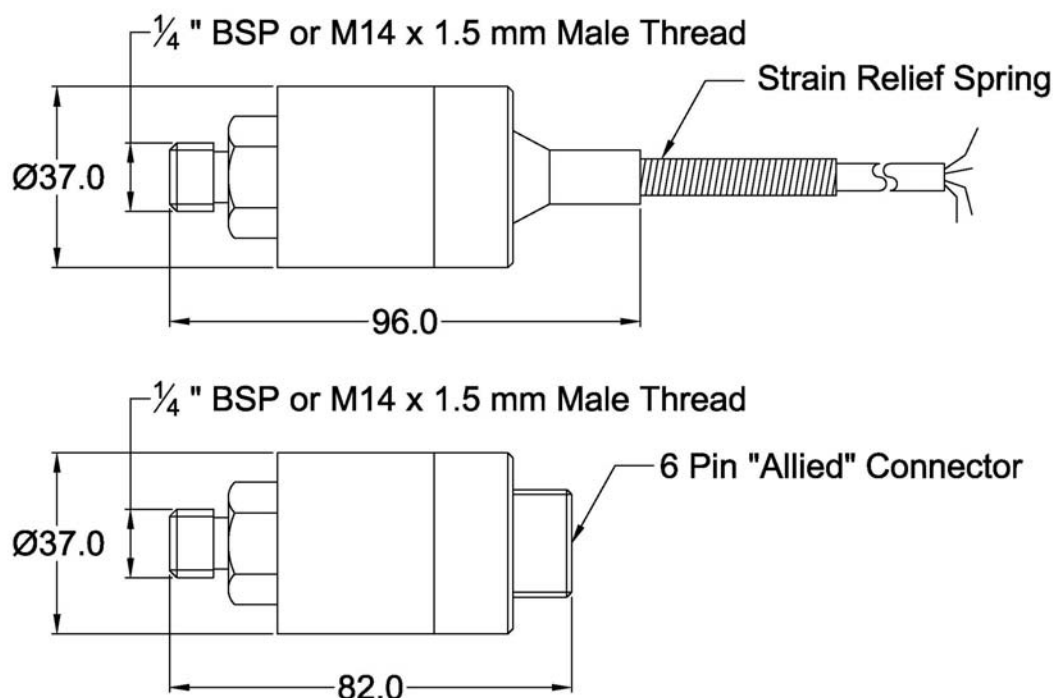
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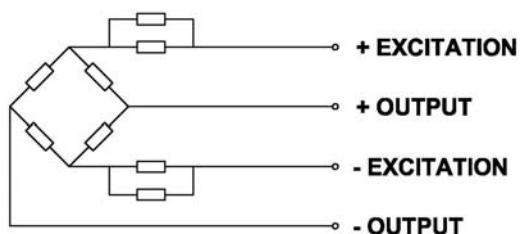
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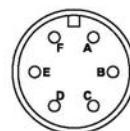
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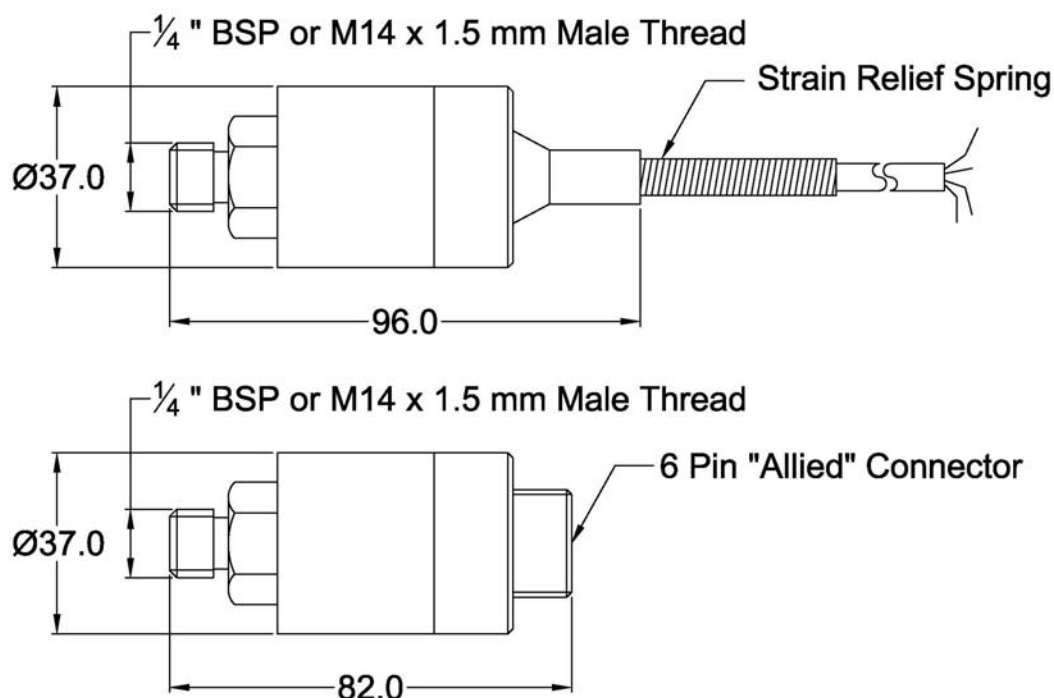
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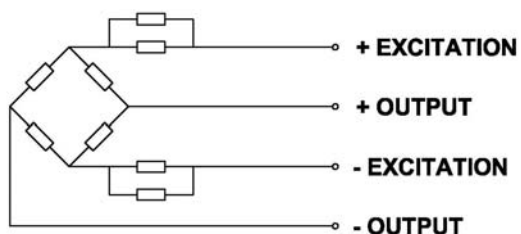
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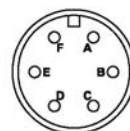
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