

IDA Pressure Transducer



FEATURES

- Four arm strain gauge wheatstone bridge
- Internal shunt calibration
- Stainless Steel Construction

APPLICATIONS

- Automotive cranes
- Industrial robots
- Concrete pumps
- Industrial testing

DESCRIPTION

The P-IDA pressure transducer is produced from stainless steel construction for harsh applications. It's design has a contoured diaphragm to ensure greater accuracy, repeatability and fatigue strength.

The unit undergoes a special heat treatment produce to contribute to a longer operating life.

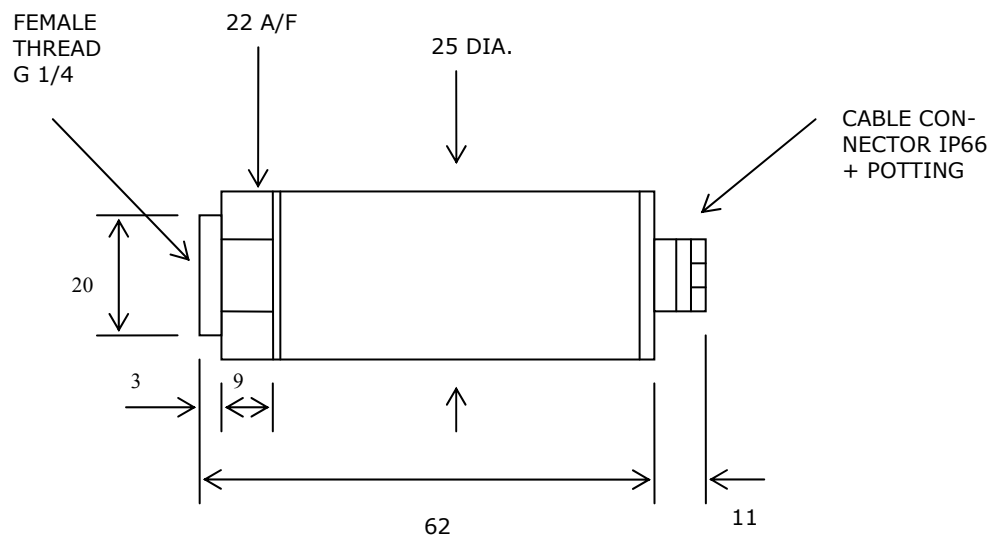
The unit is fitted with a shunt calibration resistor as standard for quick transducer and system calibration.

TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Pressure Range	0-35, 0-50, 0-100, 0-150, 0-200, 0-350, 0-500, 0-700 0-1000	bar
Rated Output	2.9 4-20 (Optional)	mV/V mA (Optional)
Linearity & non repeatability	0.25	±% of Rated Output
Zero Return after 30 minutes	0.1	±% of Applied Load
Zero Balance	1.0	±% of Rated Output
Temperature Range: Operating Temperature Range: Compensated	-40 to +120 0 to +120	°C
Temperature Effect: On Output Temperature Effect: On zero	0.2 0.1	±% of full scale output /10°C ±% of full scale output /10°C
Safe Pressure	150	% of Rated Capacity
Burst Pressure	300	% of Rated Capacity
Excitation: Recommended Excitation: Maximum	5-10 12	Volts AC or DC
Input Impedance	350 nominal	ohm
Output Impedance	350 nominal	ohm
Insulation Resistance	>2	GΩ at 50VDC
Deflection at Rated Capacity	NA	mm
Weight (approximate) :	0.7	kg
Construction	15-5ph stainless steel	
Environmental Protection	IP66 cable connector	Plus potting for additional sealing
Cable	To order	

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OUTLINE DIMENSIONS in millimeters



DIMENSIONS IN MM

WIRING DETAIL

LOADING MODE