

DOWNHOLE PRESSURE TRANSDUCER

MODEL 120

FEATURES:

- Rated to +400 °F (+204 °C) and 30K PSI (2,068 BAR)
- Compact design, 3/4" diameter
- Welded, hermetic construction
- Optional pressure and temperature outputs
- Optional 2 to 3 mV/V output



Model 120
Downhole Pressure Transducer

APPLICATIONS:

- Oil & gas exploration and production
- MWD, PWD & LWD tools
- Isothermal
- Wellhead monitoring
- Well tubing

PRODUCT OVERVIEW

The Model 120 from GP:50 is a high-pressure, high-temperature pressure sensor for oil & gas downhole tool applications. It is a highly compact and corrosion-resistant design that allows for ease of installation within challenging exploration environments, particularly where space is at a premium. The sensor is designed to withstand high-temperature and high-pressure environments, with further inclusion of options for expanded measurement capabilities.

FIELD OPTIONS:

- Temperature output
- Optional electrical connections
- Alternate wetted materials



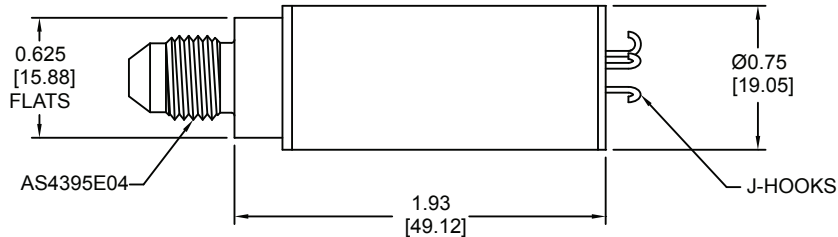
GP:50 MODEL 120

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

PIN	MODEL 120
1	+EXC
2	+SIG
3	-SIG
4	-EXC
5	N/C



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<ul style="list-style-type: none"> Excitation Voltage: 5.0V Output Signal: up to 3 mV (range and accuracy dependent) Load Impedance: > 100 kΩ Bridge Resistance: 5000 Ω standard, 350 Ω Optional Connection: Solder connection via J-Hooks 	<ul style="list-style-type: none"> Proof Pressure: 1.5x FSO Pressure Range: 0 to 30K PSI (345 MPa)
MATERIALS OF CONSTRUCTION	PRESSURE RANGES
<ul style="list-style-type: none"> Wetted Parts: Inconel 625 (alternate materials available) Housing: 316 stainless steel 	<ul style="list-style-type: none"> 0 to 5K PSI thru 0 to 30K PSI (345 MPa)
STATIC ACCURACY (BFSL) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ 100% FSO) ±0.5% FSO ±0.25% FSO available	THERMAL SPECIFICATION <ul style="list-style-type: none"> Compensated: 0 °C to +176 °C Effect on zero/span: ±2% FSO/100 °F, Improved performance options available

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All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.

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