

DOWNHOLE PRESSURE TRANSDUCER

MODEL 120



Model 120
Downhole Pressure Transducer

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

APPLICATIONS:

- Oil & gas exploration and production
- MWD, PWD & LWD tools
- Geothermal
- Wellhead monitoring
- Coil tubing

PRODUCT OVERVIEW:

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

FIELD OPTIONS:

- Temperature output
- Optional electrical connections
- Alternate wetted materials

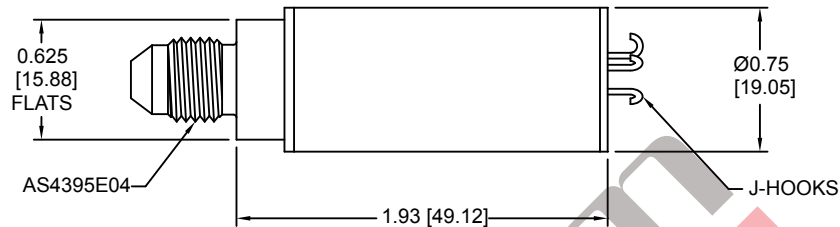
GP:50 MODEL 120

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: 5.0 to 15 Vdc 	<ul style="list-style-type: none"> Process connection: AS4395E04 Proof Pressure: 1.5X range Burst Pressure: 3.0X range on ranges less than 25K PSI (1,724 BAR)
<ul style="list-style-type: none"> Output Signal: 2 to 3 mV/V (Range and accuracy dependent) Load Impedance: 50K Ω Bridge Resistance: 5000 Ω standard, 350 Ω Optional Connection: Solder connection via J-Hooks 	<p>PRESSURE RANGES</p> <ul style="list-style-type: none"> 0 to 5K PSI thru 0 to 30K PSI (345 thru 2,068 BAR)
<p>MATERIALS OF CONSTRUCTION</p> <ul style="list-style-type: none"> Wetted Parts: Inconel 718 (alternate materials available) Housing: 316 stainless steel 	<p>THERMAL SPECIFICATION</p> <ul style="list-style-type: none"> Compensated: -70 °F to +350 °F (-57 °C to +176 °C) Operating: -40 °F to +375 °F (-40 °C to +191 °C) Intermittent to +400 °F (+204 °C) Effect on zero/span: $\pm 2\%$ FSO/100 °F, Improved performance options available
<p>STATIC ACCURACY (BFSL) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)</p> <ul style="list-style-type: none"> $\pm 0.5\%$ FSO $\pm 0.25\%$ FSO available 	

**Standard configurations shown.
Please consult factory for other options.**

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.