



COMPACT FLIGHT QUALIFIED PRESSURE TRANSDUCER

MODEL 7202

FEATURES:

- Compact and lightweight
- $\pm 0.05\%$ FSO optional improved static accuracy
- Temperature output options
- Ranges up to 0-15K PSIA (0-1034 BAR)
- Design meets MIL-STD-810F and MIL-STD-461



Model 7202
Flight Qualified Pressure Transducer

APPLICATIONS:

- Commercial and defense flight
- Launch vehicles
- Ground support systems
- Unmanned aerial and ground vehicles

PRODUCT OVERVIEW:

The Model 7202 flight qualified pressure transducer from GP:50 is one of the smallest and most lightweight available. It offers high accuracy and improved thermal performance and is manufactured and tested to meet MIL-STD-461E and MIL-STD-810F. The Model 7202 effectively measures static pressures from 0 to 15K PSIA (0 to 1034 BAR) with $\pm 0.30\%$ FSO accuracy. Improved accuracy to $\pm 0.05\%$ FSO is optional.

FIELD OPTIONS:

- Improved thermal compensated temperature from $-65\text{ }^{\circ}\text{F}$ to $+250\text{ }^{\circ}\text{F}$
- Temperature output options
- Inconel or Hastelloy wetted parts

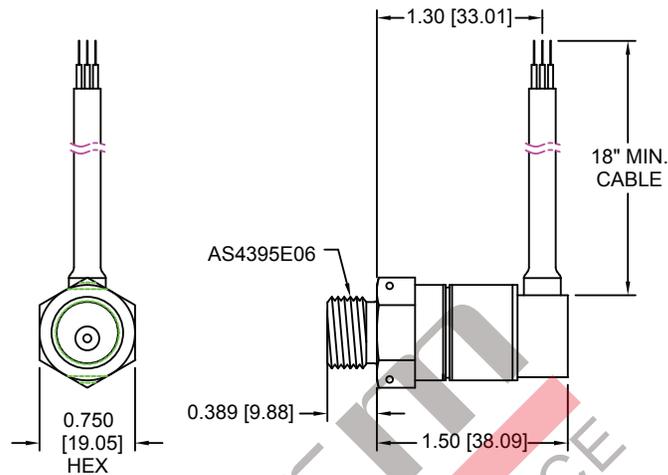
GP:50 MODEL 7202

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

PIN	DESCRIPTION
RED	+INPUT
BLK	-INPUT
GRN	+OUTPUT
BLU	+RTD
WHT	-RTD
ORG	PROGRAM
SHLD	CASE GND



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<ul style="list-style-type: none"> • Output Signal: 0.1 to 5.1 Vdc (other optional outputs available) • Supply Voltage: 16.5 to 32 Vdc (28 Vdc nominal) • Connection: 24 AWG, 5-conductor, Teflon insulated, braided shield and Viton jacketed cable • Temperature output option: RTD: 100Ω or 1000 Ω at 0 °C Alpha 0.00385 Ω/Ω/°C 	<ul style="list-style-type: none"> • Process connection: AS4395E06 • Proof Pressure: 1.5X FSO • Burst Pressure: 2.5X FSO • Secondary containment: Up to 4500 PSI (310 BAR) • Environmental: MIL-STD-810F • EMC: MIL-STD-461 • Weight: <5 oz
ACCURACY	PRESSURE RANGES
<ul style="list-style-type: none"> • Static Accuracy (BFSL): <±0.3% FSO, ±0.05% FSO optional • Zero/span balance: ±0.1% V • Thermal Error: ±1.0% FSO over CTR 	<ul style="list-style-type: none"> • 0 to 1000 thru 0 to 15K PSIA, PSIG, PSIV, PSISG (0-69 thru 0-1034 BAR), other ranges available
MATERIALS OF CONSTRUCTION	THERMAL SPECIFICATION
<ul style="list-style-type: none"> • Wetted Parts: 15-5 sensor (Inconel, Hastelloy optional) • Housing: 316L stainless steel 	<ul style="list-style-type: none"> • Compensated: -30 °F to +170 °F (-34 °C to +77 °C) • Optional Expanded Range: -65 to 250°F (±2.3% FSO/100 °F) • Operating: -75 °F to +270 °F (-59 °C to +133 °C) • NIST Traceability/Calibration: ANSI-Z540-1 • Workmanship: J-001/NASA 8739.3 standard • Quality System: ISO 9001:2008

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.