



## COMPACT FLIGHT HERITAGE TRANSDUCER

### MODEL 7202

#### FEATURES:

- Compact and lightweight design
- $\pm 0.10\%$  static accuracy option
- Temperature output options
- Ranges up to 0-15K PSIA
- Designed to meet \*MIL-STD-810F and \*MIL-STD-461E

#### APPLICATIONS:

- Commercial and defense flight
- Launch vehicles
- Ground support systems
- Unmanned vehicles
- Ground and engine testing

#### PRODUCT OVERVIEW:

The Model 7202 is one of the smallest and light weight aerospace designs GP:50 offers. It provides very high accuracy and improved thermal performance and is designed to meet MIL-STD-461E and MIL-STD-810F standards. The 7202 will withstand some of the most severe aerospace or military applications.

#### FIELD OPTIONS:

- Improved thermal compensated temperature from -65 °F to +250 °F
- Temperature output options
- Inconel or Hastelloy wetted parts



Model 7202  
Compact Flight Heritage Transducer

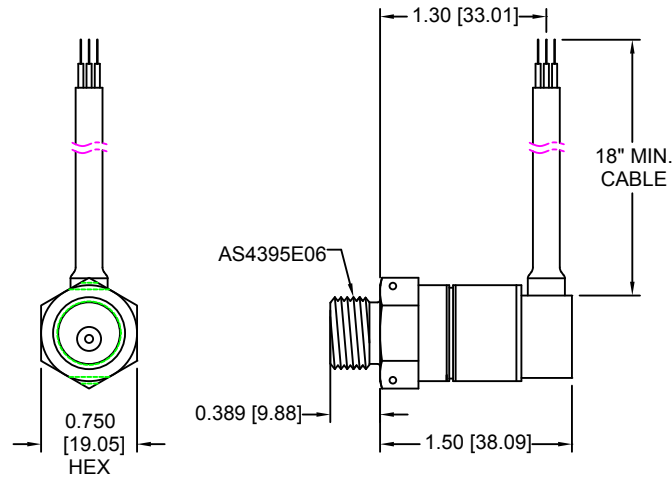
# GP:50 MODEL 7202

## 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

- **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

### ACCURACY

- **Static Accuracy (BFSL):**  $\pm 0.3\%$  FSO,  $\pm 0.10\%$  FSO available
- **Zero/span balance:**  $\pm 0.1\%$  V
- **Thermal Error:**  $\pm 1.0\%$  FSO over CTR

### MATERIALS OF CONSTRUCTION

- **Wetted Parts:** 15-5 sensor (Inconel, Hastelloy optional)
- **Housing:** 316L stainless steel

\*Options may affect Mil-specifications.  
Please consult factory for your specific needs.

### MECHANICAL

- **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

### PRESSURE RANGES

- 0 to 1000 thru 0 to 15K PSIA, PSIG, PSIV, PSISG (0-69 thru 0-1034 BAR), other ranges available

### THERMAL SPECIFICATION

- **Compensated:** -30 °F to +170 °F (-34 °C to +77 °C)
- **Optional Expanded Range:** -65 to 250°F ( $\pm 2.3\%$  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

**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.

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