GP:50

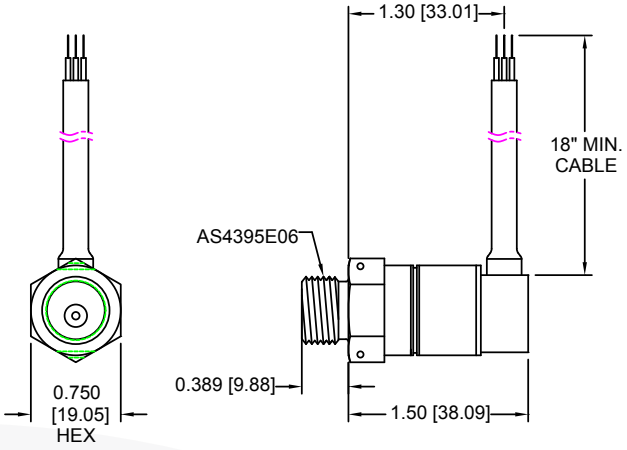
AEROSPACE

MODEL 7202

COMPACT FLIGHT HERITAGE TRANSDUCER

STANDARD WIRING

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



REF DIMENSIONS ONLY.
CONSULT FACTORY FOR ACTUAL DIMENSIONS.

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. The 7202 will withstand some of the most severe aerospace or military applications, including higher shock and vibration environments.

FEATURES:

- Compact and lightweight design
- ±0.10% static accuracy option
- Temperature output options
- Ranges as high as 15K PSI

APPLICATIONS:

- Commercial and defense satellites
- Launch vehicles
- Unmanned aerial vehicles
- Military and civilian aircraft
- Ground support and engine test stands

OPTIONS:

- "B+ and S Class" amplified electronics available
- Temperature output
- Inconel and Hastelloy wetted parts
- Wide selection of pressure ports and electrical connections
- Various MIL-SPECS available. Consult factory.

© 2014 GP:50 NY Ltd. | 2770 Long Road, Grand Island, NY 14072 USA

Tel: +1.716.773.9300 **Fax:** +1.716.773.5019 **Email:** sales@gp50.com **Web:** www.gp50.com

A5SL-074
REV-G

GP:50 MODEL 7202

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	0.1 to 5.1 Vdc (other optional outputs available)
Temperature Output:	RTD; 100 Ω or 1000 Ω at 0 °C Alpha 0.00385 Ω/Ω/°C
Excitation Voltage:	16.5 to 32 Vdc (28 Vdc nominal)
Response Time:	Typ 1ms

MATERIALS OF CONSTRUCTION	
Wetted Parts:	15-5 sensor (Inconel, Hastelloy optional)
Housing:	316L Stainless Steel

ACCURACY (RSS): Hysteresis, Non-Linearity & Repeatability @ +70 °F	
Static Accuracy (RSS):	≤±0.3% FSO
Non-Linearity:	≤±0.15% FSO (Typ)
Hysteresis:	≤±0.1% FSO (Typ)
Repeatability:	≤±0.1% FSO (Typ)
Zero Balance:	±1.0% FSO
Span Balance:	±1.0% FSO

(BFSL method used. Improved options available.)

Calibration:	NIST Traceable Cert
Workmanship:	IPC-A-610 Soldering
Quality System:	AS9100

Options may affect specifications.
Please consult factory for your specific needs.

MECHANICAL	
Process Connection:	AS4395E06
Electrical Connection:	24 AWG, 5 conductor, Teflon insulated, braided shield and Viton jacketed cable
Proof Pressure:	1.5X FSO
Burst Pressure:	2.5X FSO
Secondary Containment:	Up to 4,500 PSI (310 BAR)
Environmental:	MIL-STD-810F
EMC:	MIL-STD-461
Approximate Weight:	<5 oz (141 grams)

PRESSURE RANGES
0 to 3500 thru 0 to 15K PSIA, PSIG, PSIV, PSISG (0-240 thru 0-1,034 BAR), other ranges available

THERMAL SPECIFICATIONS	
Operating Range:	-65°F to +250 °F (-54 °C to +121 °C)
Compensated Range:	0 °F to +180 °F (-17.8 °C to +82 °C)
Compensated Ranges from -65 °F to +250 °F (-54 °C to +121 °C) available	
Effect on Zero & Span:	±1.0% FSO/100 °F (Improved specifications available)

AEROSPACE

GP:50

© 2014 GP:50 NY Ltd. 2770 Long Rd, Grand Island, NY 14072 USA
Tel: +1.716.773.9300 **Email:** sales@gp50.com **Web:** www.gp50.com

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.