

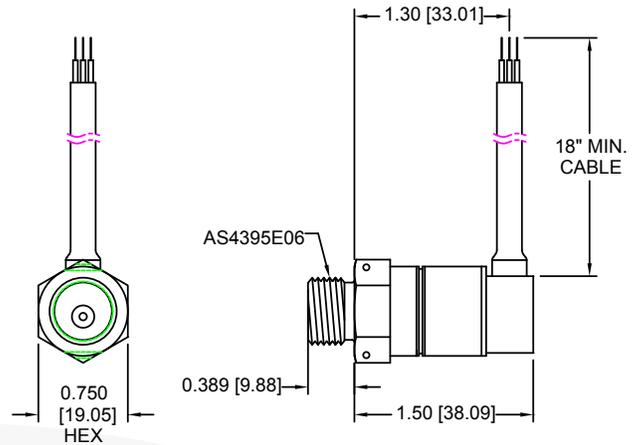
MODEL 7202

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
- $\pm 0.10\%$ 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.

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 1 ms |

| 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) |

