

SPACE QUALIFIED HIGH LEVEL, LOW NOISE PRESSURE TRANSDUCER

Model 7201

Designed for the tough challenges and environmental rigors of **satellite and space applications.**



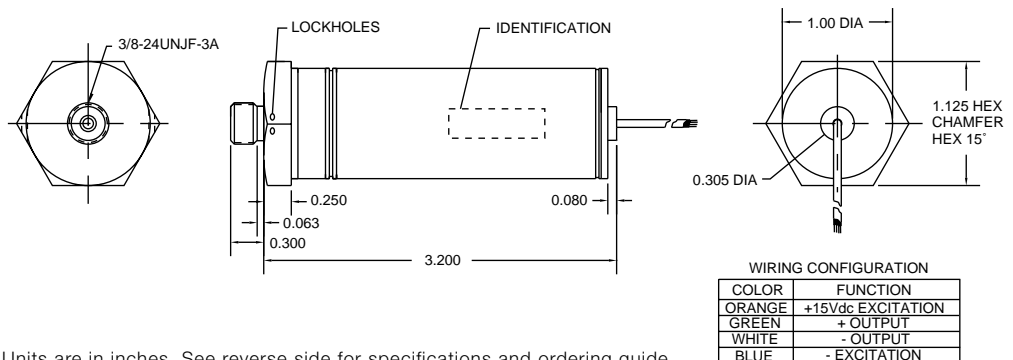
FEATURES:

- High accuracy, < 0.3% FSO RSS
- "S" Class electronics
- Rad-Hard 75 KRAD
- 0-5 Vdc output
- < 3 mV noise on output
- Strength and Stress Analysis Report
- Material Identification Usage List
- Design life to meet 7 year LEO requirements
- Complete electronics and mechanical parts traceability
- Acceptance test documents, qualification test documents
- Shock, Vibration Space Qualified
- Cycle tested to meet 7 year LEO requirements
- Designed for High Vacuum atmosphere applications
- Shop traveler controlled assembly
- Completely assembled in clean room environment
- Quality control inspection stop points during assembly
- Lightweight, small size, < 140 grams
- Hermetically sealed (with connector options)
- Program managed, scheduled process
- Qualified packaging to FED-STD-101 Method 5005/5007

All GP:50 Aerospace pressure transducers are manufactured and tested to the following MIL-Spec standards to insure the highest quality assurance:

- NIST Traceability and CalibrationMIL-STD-45662A
- Workmanship J-001 / NASA 8739.3 standards
- Quality System ISO 9001:2000

Designed to: MIL-STD-810C&E
MIL-STD-461/462D&E



Units are in inches. See reverse side for specifications and ordering guide.

SPECIFICATIONS

Ranges	15 thru 15,000 PSIA
FS Output at Rated Pressure	0-5 Vdc
Proof Pressure	1.5X with 25 psia min
Burst Pressure	2.5X with 300 psia min
Excitation or Input Voltage	15Vdc Regulated
Reverse Polarity Protected	
Non-Repeatability	< 0.1% FSO
Non-Linearity	< 0.2% FSO
Hysteresis	< 0.2% FSO
Static Accuracy RSS	< 0.3% FSO RSS
Error Band (all 5 parameters)	1.0% FSO
Pressure Medium (Wetted Materials)	Inconel 718 Sensor, all other parts 625
Temperature Compensation	-4°F to +104°F / -20°C to +40°C
Operating/Environmental Temperature	-75°F to +250°F / -60°C to +120°C
Weight	< 140 grams
Pressure Port	3/8-24 UNJF-3A
Electrical Connector	Tefzel 32 AWG wire
Vibration, Shock	Better than 70 grms composite random, 4000 G's pyroshock,
Qualified to MIL-STD-810C&E requirement	7.0 G's sinusoidal
Response Time	Under 4 ms
Design exceeds MIL-STD-461/462 EMI/RFI	

ORDERING GUIDE:

Some options will affect dimensions, consult factory if important.

Use the following codes to identify desired item.

MODEL	OUTPUT	RANGE	PRESSURE TYPE	OPTIONS
•	—	•	—	•

Example: 7201-2-RH-A-CA/FD/GH

OUTPUT

2 0-5 Vdc

RANGE (PSI)

PP	0-15	RK	0-750
PR	0-20	RM	0-1000
PO	0-25	RO	0-1500
PV	0-50	RR	0-2000
PZ	0-100	RT	0-3000
RB	0-150	RV	0-5000
RD	0-200	RX	0-7500
RF	0-300	RZ	0-10,000
RH	0-500	SB	0-15,000

PRESSURE TYPE

A Absolute, ref to vacuum

OPTIONS

CONNECTORS:

CA PTIH-10-6P Bendix
 CI D38999/27YB98PN
 DB D38999/27YA35PN

PORTS:

FA MS33649-4, 7/16-20 (F)
 (made with an adapter)
 FD MS33656-4, 7/16-20 (M)