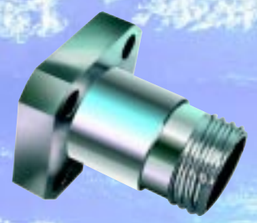
GP:50 Aerospace Division

Multi-Channel Cryogenic Pressure Sensor
MODEL 7700



Live Fire Tested & Qualified on SSME

Features:

- Independent (4 Channel) measurements
- mV outputs, RS-485 (optional)
- 0.25% Error Band @ -420 Deg F
- High vibration and shock (80 G's)
- 100 Ohm, 2 wire platinum RTD output
- Capable of withstanding shock up to 400 g's
- Compatible with most gasses, LOX, LH
- Flush mounted, cryogenic pressure sensing
- No stand off required

For:

- Space Vechical - Main Rocket Engines
- High Vibration and Shock Applications
- Industrial Gas Production
- Cryogenic Propulsion Monitoring
- Food & Pharmaceutical Quick Freeze

The Model 7700 Aerospace Multi-Channel Cryogenic unit is designed for the tough challenges and environmental rigors of Space Propulsion and Aviation pressure testing applications. We went to "The Aerospace Engineer", and asked the "who, what, where, why and how" are "your" application requirements for a pressure sensor. The 7700 fills your testing needs by providing:

1. High Accuracy, High Repeatability
2. Cleanable Pressure Cavity
3. Optional Temperature Compensation ranges
4. Optional material wetted parts for H & LOX Enviroments
5. Temperature (RTD) outputs with Pressure analog output.
6. RS 485, I²C Options

All Aerospace pressure transducers are manufactured and tested to the following Mil-STD and Mil-spec standards to insure the highest quality assurance:

- NIST Traceability and Calibration.....MIL-STD-45662A
- Workmanship.....MIL-STD-2000A, MIL-S 45743E
- Quality System.....MIL-Q-9858A, MIL-I 45208A

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

Our corporate edict is "WHATEVER IT TAKES". The model 7700 does just that, and will meet your toughest aerospace application challenge.

GP:50 is pursuing ISO 9000/9001 compliance and certifications.

Specifications

The following specifications are the standards for normal construction. Options are available for application specific requirements and deviations. Traceability, customer ATP, additional testing and construction options are available. Contact your local representative or factory for assistance.

Parameters	DIGITAL or Analog Output
Ranges	50 - 6000 PSI
Proof Pressure	1.5X
Burst Pressure 4500 Containment	2X
Excitation or Input Voltage * Reverse Polarity Protected	9 - 76Vdc Unregulated
Non-Repeatability	.1% FSO
Static Accuracy* BFSL or RSS	.1% FSO BFSL
Error Band (all 5 parameters)	0.25% FSO Digitally Corrected Across .420 to 70 deg F
Pressure Medium * (Wetted Materials)	316 SST FSO
Temperature Compensation *	420F - 70F
Operating/Environmental Temp	-261 C - 100C
Weight	10 Ounces
Presure Port*	7/16 - 20 (M)
FS Output at Rated Pressure: * Meets MIL-STD-461/462 EMI/RFI	Digital or RS 485 -20 mV/V STD. 0-5 VDC or 4-20 mA Optional with Remote Electronics with Shielded Cable

* OPTIONS AVAILABLE

Ordering Guide:

7700 -

Output	Range	Pressure Type	Options
2	RH	A	CS / FD / GH

Output

2 - 0-5 Vdc
3 - 4-20 dcmA
4 - 0-5 Vdc (Isolated)
5 - 0-10 Vdc
7 - 3 mV/V
10 - Digital Output

Range

PV - 50
PZ - 100
RB - 150
RD - 200
RF - 300
RH - 500
RK - 750
RM - 1000
RO - 1500
RR - 2000
RT - 3000
RV - 5000
SZ - Non STD Pressure Range

Type

A - Absolute, ref to vacuum
S - Sealed
G - Sealed, ref to 14.7 PSI

Options

Connectors:

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

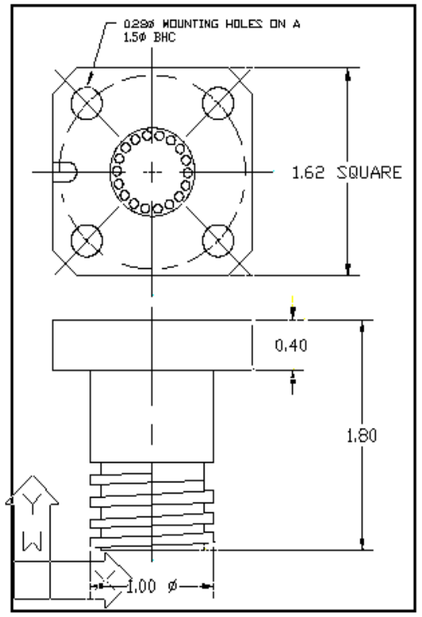
Ports:

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

Misc:

GH - 100% Internal Shunt
ME - Shunt Cal, 80% Internal
- Customer Special Available
- Clean for LOX, LH

CONTACT FACTORY FOR COMPLETE OPTIONS



GP:50

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