STELLAR TECHNOLOGY

ISO 9001/AS9100 Certified

YOUR ENGINEERED SOLUTION SOURCE SM

FT260

MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER

DESCRIPTION

The Series FT260 is an extremely small, accurate, reliable flush diaphragm pressure transducer for measuring dynamic and static pressures. The unit is made entirely of stainless steel with a one piece sensing element offering rugged durability.

The major feature of design is its flush diaphragm. Other features include small size, long term stability, low sensitivity to shock and vibration, wide temperature range, excellent response to transient pressures, and infinite resolution.

STANDARD FEATURES

- Stainless Steel construction
- Flush diaphragm
- Small size
- Light weight
- Hermetically sealed
- 3/4” body

OPTIONAL FEATURES

- Alternative electrical terminations
- Alternative pressure ports
- Temperature output
- Improved temperature coefficients

A US Manufacturer of: Pressure, Temperature, Load/ Force/Torque, and Displacement Sensors.

PERFORMANCE

STATIC ACCURACY
± 0.50% FSO by BFSL.

RESOLUTION
Infinite

THERMAL ERROR
< ± 0.020% FSO/°F typical.

INSULATION RESISTANCE
> 10K megaohms at 50 Vdc at 70°F.

ZERO BALANCE
±1% FSO at 70°F.

FULL SCALE OUTPUT
3.0 ± 0.015 mV/V FSO at 70°F.

FREQUENCY RESPONSE
Consult Factory.

MECHANICAL CHARACTERISTICS

STANDARD RANGES
0 - 2000, 3000, 5000, 7500 and 10000 PSIA / PSIG.

PROOF PRESSURE
1.5 times FSO range minimum.

BURST PRESSURE
3.0 times FSO range minimum.

OPERATING MEDIA
Fluids and gases compatible with stainless steel. Inconel and other materials optional.

ENCLOSURE
Body of stainless steel.

PRESSURE FITTING
7/16-20 per MS33656-4 with flush diaphragm. Mounting torque of 100 in/lbs required.

WEIGHT
Approximately 3.5 ounces.

ELECTRICAL CHARACTERISTICS

EXCITATION
10 Vdc recommended, 15 Vdc maximum.

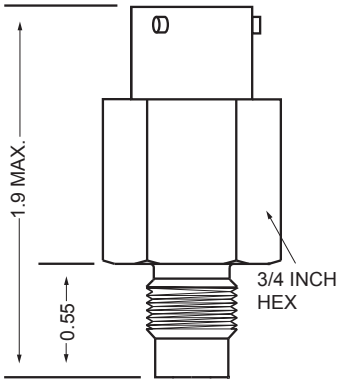
INPUT/OUTPUT RESISTANCE
350 ±20 ohms at 70°F.

ELECTRICAL TERMINATION
PTIH-10-6P stainless steel connector or equivalent.

ENVIRONMENTAL CHARACTERISTICS

COMPENSATED TEMPERATURE RANGE
-65°F to +250°F. Options available.

OPERATING TEMPERATURE RANGE
-100°F to +300°F. Options available.



MODIFICATIONS AND WARRANTY
MODIFICATIONS: We realize transducer applications vary greatly and as such our designs are flexible. Choice of pressure port, electrical termination, material compatibility and performance characteristics are a few of the many options available. Specifications on this datasheet represent the standard configuration only. Product and company names listed are trademarks of their respective companies. Specifications subject to change without notice.
WARRANTY: Stellar Technology warrants that its product shall be free from defective workmanship and/or material for a twelve month period from the date of shipment, provided that Stellar Technology's obligation hereunder shall be limited to correcting any defective material FOB our factory. No allowance will be made for any expenses incurred for correcting any defective workmanship and/or material without written consent by Stellar Technology. This warranty is in lieu of all other warranties expressed or implied.

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Due to the nature of technology, changes are inevitable. For latest technical specifications, see our website.

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