

(REFERENCE CONDITION:20°C)

\* Numbers in BAR are not the exact conversion from PSI's

\*\*The provided Viton o-ring is not recommended for operation under -14°F.

For operation under -14°F, within the rated sensor operating temperature, please consider the use of Buna-N or Silicone o-rings.

CAPACITY:  $\left(\frac{PSI}{BAR^*}\right) \left(\frac{225}{15}\right) \left(\frac{750}{50}\right) \left(\frac{3000}{200}\right) \left(\frac{7500}{500}\right) \left(\frac{10000}{700}\right)$ 

TYPE: SEALED GAGE

## PERFORMANCE:

 RATED OUTPUT:
 1-2 mV/V nom.

 SAFE OVERLOAD:
 150% of R.O.

 BURST PRESSURE:
 300% of R.O.

 ZERO BALANCE:
 ±3% of R.O.

 EXCITATION(VDC)
 7 MAX

NONLINEARITY  $\pm 0.4\%$  of R.O. B.F.S.L.;  $\pm 0.8\%$  of R.O. End Point HYSTERESIS  $\pm 0.2\%$  of R.O. B.F.S.L.;  $\pm 0.4\%$  of R.O. End Point

NONREPEATABILITY ±0.02% of R.O. typ.

NATURAL FREQUENCY FROM 6 KHz (225 PSI) TO 100 KHz (10000 PSI)

INSULATION RESISTANCE >1000 MΩ @ 50VDC and 20°C

BRIDGE RESISTANCE 350  $\Omega$  nom.

CALIBRATION CERTIFICATE OF CONFORMANCE INCLUDED

NIST TRACEABLE 5 pt. CALIBRATION AVAILABLE

## MECHANICAL SPECIFICATION:

WEIGHT: < 10g WITHOUT CABLE
WETTED/ BODY MATERIAL: 17-4 PH Stainless Steel
ENCLOSURE PROTECTION: NEMA 4 (IP 65)

ELECTRICAL CONNECTION: #29 Awg 4 Conductor Spiral Shielded

Silicone Cable, 5 ft Long

RECOMMENDED MOUNTING TORQUE: 5 Nm MAX

## ENVIRONMENTAL:

 OPERATING TEMPERATURE\*\*
 -40 to +194°F [-40 to +90°C]

 COMPENSATED TEMPERATURE
 +32 to +140°F [0 to +60°C]

 SHOCK:
 100 G'S 1/2 SINUSOIDAL - 1 ms

 VIBRATION:
 ±0.02 of R.O. / G (20-2000 Hz, 50 G MAX)

TEMP. SHIFT ZERO TEMP SHIET SPAN ±0.02% of R.O./°F [±0.036% of R.O./°C]

TEMP. SHIFT SPAN 

EMI/RFI:

EN61000



This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK 10 THOMAS IRVINE, CA 92618 USA 1-800-23-FUTEK (38835)

INTERNET: http://www.futek.com