FUTEK MODEL PMP720 SERIES

PRESSURE SENSOR

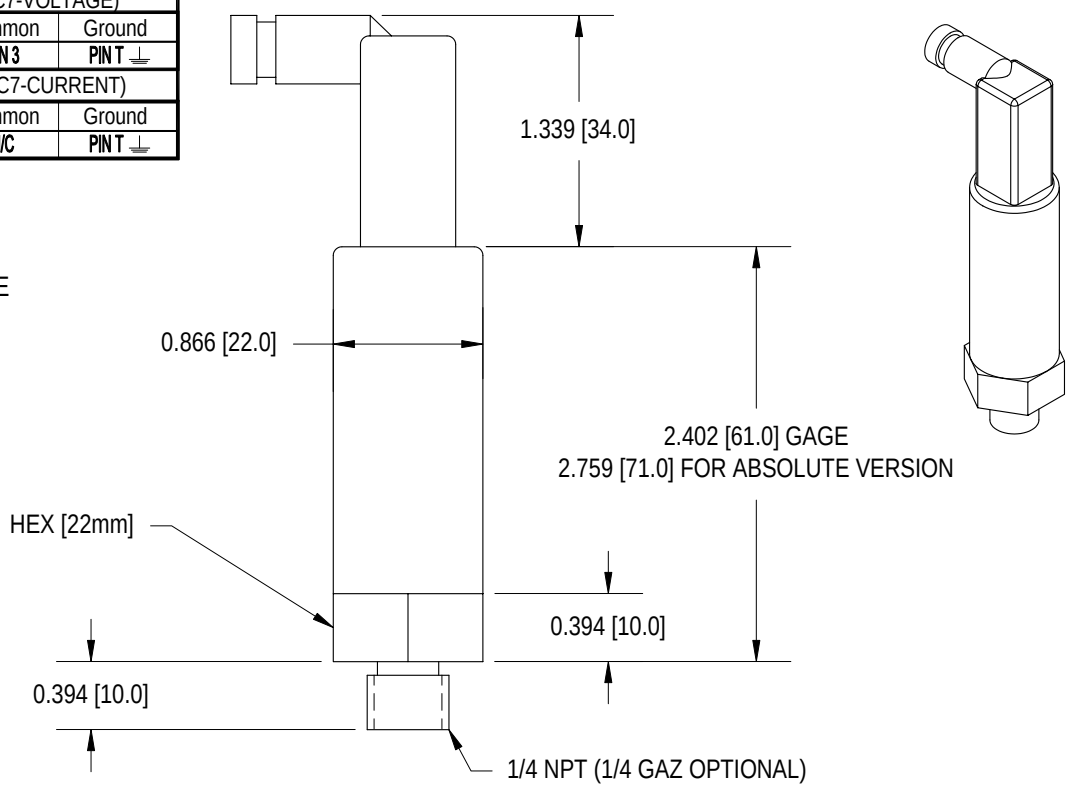
(Previously P720 Series)

CE COMPLIANT

Drawing Number: FI1161-A	
INCH [mm]	R.O.= Rated Output

PMP724 WIRING CODE (CC7-VOLTAGE)			
+Excitation	+Signal	Common	Ground
PIN 1	PIN 2	PIN 3	PIN T ⏚
PMP725 WIRING CODE (CC7-CURRENT)			
+Excitation	+Signal	Common	Ground
PIN 1	PIN 2	N/C	PIN T ⏚

- OEM TRANSDUCER
- ALL STAINLESS STEEL CONSTRUCTION
- AVAILABLE IN ABSOLUTE



SPECIFICATIONS	MODEL PMP724	MODEL PMP725
RATED OUTPUT	*+4.5 VDC ±0.05*	*+20 mA ±0.1*
ZERO BALANCE	*+0.5 VDC ±0.05*	*+4 mA ±0.1*
EXCITATION	*15 to 30 VDC*	*12 to 30 VDC*

TECHNICAL SPECIFICATIONS:

(REFERENCE CONDITION:20°C)

CAPACITY: $\left(\frac{\text{PSI}}{\text{BAR}}\right)$ $\left(\frac{87}{6}\right)\left(\frac{145}{10}\right)\left(\frac{232}{16}\right)\left(\frac{580}{40}\right)\left(\frac{1450}{100}\right)$ $\left(\frac{3626}{250}\right)\left(\frac{5801}{400}\right)\left(\frac{8702}{600}\right)\left(\frac{13050}{900}\right)$

PERFORMANCE:

RATED OUTPUT:	SEE CHART
SAFE OVERLOAD:	150% of R.O.
BURST PRESSURE:	400% of R.O. TO A MAXIMUM OF 20,000 psi WHICH IS LESS
ZERO BALANCE:	SEE CHART
EXCITATION (VDC)	SEE CHART
COMBINED NONLIN. & HYSTERESIS	±0.45% of R.O.
NONREPEATABILITY	±0.05% of R.O.
LIFE, CYCLING	10 MILLION CYCLES MIN
RESPONSE TIME	1 to 2 msec ACCORDING TO MODEL
INSULATION RESISTANCE	1000 Mohms @ 50Vcc

MECHANICAL SPECIFICATION:

WEIGHT:	100 to 150 g MAX
WETTED MATERIAL:	17-4PH S.S.
BODY MATERIAL:	(316 S.S.)
CAVITY VOLUME:	200 mm^3 APPROX.
ENCLOSURE PROTECTION:	NEMA 4 (IP 65)
ELECTRICAL CONNECTION:	DIN CONNECTOR (43650)

ENVIRONMENTAL :

NOISE	±50 mVcc
BRIDGE RESISTANCE:	-
OPERATING TEMPERATURE	-4 to 212°F [-20 to 100°C]
COMPENSATED TEMPERATURE	68 to 176°F [20 to 80°C]
SHOCK:	20 G'S 1/2 SINEWAVE-11msec
VIBRATION:	10 G'S PEAK TO PEAK SINUSOIDAL {2-2000Hz}
TEMP. SHIFT ZERO TEMP. SHIFT SPAN	±0.03% of R.O./°F [0.05% of R.O./°C] MAX
EMI/RFI	PER EN 55022 CLASS B & EN 50082-2 CONFORM CEM/89/336
REVERSE POLARITY PROTECTION:	YES

FUTEK ADVANCED SENSOR TECHNOLOGY, INC.

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10 THOMAS
IRVINE, CA 92618 USA
1-800-23-FUTEK (38835)

INTERNET:
http://www.futek.com