FUTEK MODEL PMP930

Drawing Number: FI1164	
INCH [mm]	R.O.= Rated Output

P931 WIRING CODE (WC1)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLUE OR BLACK	GREEN OR YELLOW	WHITE

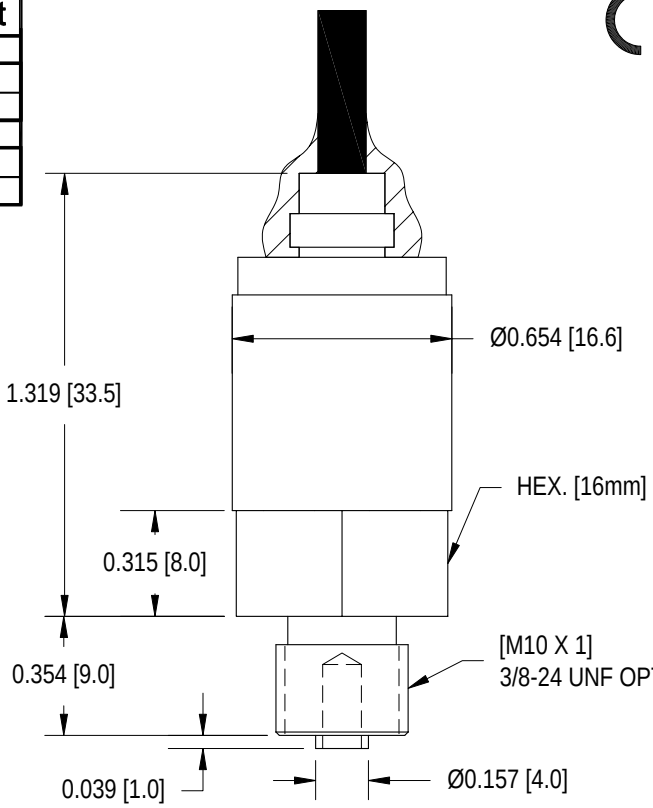
P933 WIRING CODE (WC5)		
+Excitation	+Signal	COMMON
RED	GREEN OR YELLOW	BLUE OR BLACK

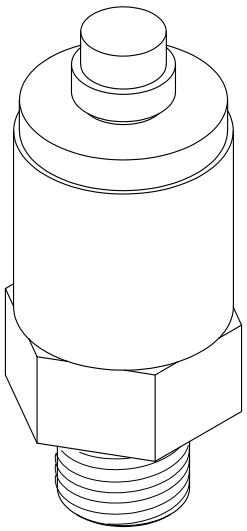
HIGH TEMPERATURE PRESSURE SENSOR

(Previously P930 series)

CE *COMPLIANT*

- THIN FILM TECHNOLOGY
- RESISTANT TO VIBRATIONS, SHOCK
- AVAILABLE IN ABSOLUTE
- FOR HIGH TEMPERATURES (572°F, 300°C)
- MINIATURE WITH OR WITHOUT AMPLIFIER





CABLE AND SHRINK NOT SHOWN

SPECIFICATIONS	MODEL P931	MODEL P933 ELECTRONICS IN THE CABLE
RATED OUTPUT	*1.5 to 2 mV/V*	*+4.5 VDC ±0.025*
ZERO BALANCE	*0 mV ±0.25*	*+0.5 VDC ±0.025*
EXCITATION	*10 VDC ±0.01*	*+5 VDC ±0.05*
BRIDGE RESISTANCE	*2500 Ohms ±20%*	-

TECHNICAL SPECIFICATIONS:

(REFERENCE CONDITION:20°C)

CAPACITY: $\left(\frac{\text{PSI}}{\text{BAR}}\right)$ $\left(\frac{232}{16}\right)\left(\frac{580}{40}\right)\left(\frac{1450}{100}\right)\left(\frac{3626}{250}\right)\left(\frac{5801}{400}\right)$

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	±0.5% of R.O.
NONREPEATABILITY	±0.2% of R.O.
LIFE, CYCLING	50 MILLION CYCLES
RESPONSE TIME	1 msec MAX
INSULATION RESISTANCE	1000 Mohms @ 50Vcc

MECHANICAL SPECIFICATION:

WEIGHT:	60 g MAX
WETTED MATERIAL:	17-4PH S.S.
BODY MATERIAL:	316 S.S.
CAVITY VOLUME:	50 mm_3
ENCLOSURE PROTECTION:	NEMA 4 (IP 65)
ELECTRICAL CONNECTION:	26 AWG, 4 CONDUCTOR, SHIELDED TEFLON CABLE, 3 ft [1 m] LONG

ENVIRONMENTAL :

RESIDUAL NOISE	-
BRIDGE RESISTANCE:	SEE CHART
OPERATING TEMPERATURE	-4 to 572°F [-20 to 300°C]
COMPENSATED TEMPERATURE	68 to 500°F [20 to 260°C]
SHOCK:	20 G'S 1/2 SINEWAVE-11msec
VIBRATION:	50 G'S PEAK TO PEAK SINUSOIDAL {2-2000Hz}
TEMP. SHIFT ZERO	±0.015% of R.O./°F [0.03% of R.O./°C]
TEMP. SHIFT SPAN	±0.015% of LOAD/°F [0.03% of LOAD/°C]
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