FUTEK/EFE MODEL P910 SERIES *MINIATURE PRESSURE SENSOR*

Drawing Number: F2872

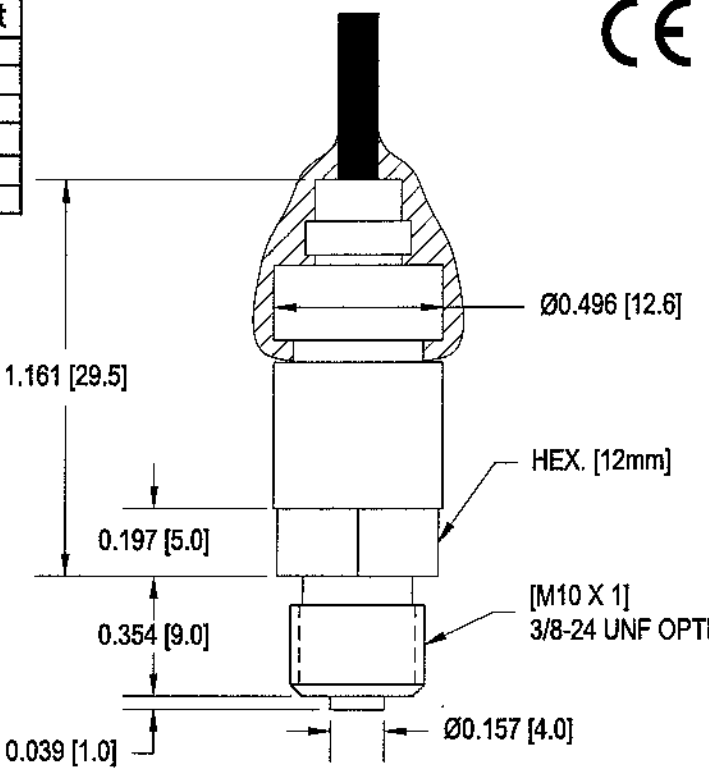
INCH [mm] | R.O.= Rated Output

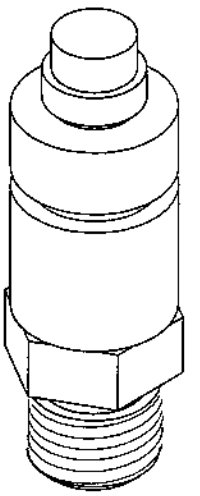
P913 & P914 WIRING CODE (WC5)		
+Excitation	+Signal	COMMON
RED	GREEN OR YELLOW	BLUE OR BLACK

P915 WIRING CODE (WC6)	
+Excitation	+Signal
RED	GREEN OR YELLOW

CE COMPLIANT

- THIN FILM TECHNOLOGY
- COMPATIBLE WITH MOST FLUIDS
- 5 VDC RATIOMETRIC, 0-5 VDC, 4-20 mA OUTPUTS
- HIGH CYCLE LIFE
- RESISTANT TO VIBRATIONS, SHOCK
- AVAILABLE IN ABSOLUTE





CABLE AND SHRINK NOT SHOWN

SPECIFICATIONS	MODEL P913	MODEL P914	MODEL P915
RATED OUTPUT	*4.5 VDC ±0.025*	*4.5 VDC ±0.025*	*20 mA ±0.2*
ZERO BALANCE	*0.5 VDC ±0.025*	*0.5 VDC ±0.025*	*4 mA ±0.1*
EXCITATION	*5 VDC ±0.05*	*12 to 30 VDC*	*12 to 30 VDC*

TECHNICAL SPECIFICATIONS:

(REFERENCE CONDITION:20°C)

CAPACITY: $\left(\frac{PSI}{BAR}\right)\left(\frac{87}{6}\right)\left(\frac{232}{16}\right)\left(\frac{580}{40}\right)\left(\frac{1450}{100}\right)\left(\frac{3626}{250}\right)\left(\frac{5801}{400}\right)$

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	±0.35% of R.O.
NONREPEATABILITY	±0.05% of R.O.
LIFE, CYCLING	100 MILLION CYCLES
RESPONSE TIME	1 msec
INSULATION RESISTANCE	1000 Mohms @ 50Vcc

MECHANICAL SPECIFICATION:

WEIGHT:	40 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	±25 mVcc
BRIDGE RESISTANCE:	-
OPERATING TEMPERATURE	-4 to 257°F[-20 to 125°C] (-40 to 302°F [-40 to 150°C] OPTIONAL)
COMPENSATED TEMPERATURE	68 to 176°F [20 to 80°C] (-22 to 257°F [-30 to 125°C] OPTIONAL)
SHOCK:	20 G'S 1/2 SINEWAVE-11msec
VIBRATION:	50 G'S PEAK TO PEAK SINUSOIDAL (2-2000Hz)
TEMP. SHIFT ZERO TEMP. SHIFT SPAN	±0.02% of LOAD/°F [0.04% of LOAD/°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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