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TECHNOLOGY GROUP

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Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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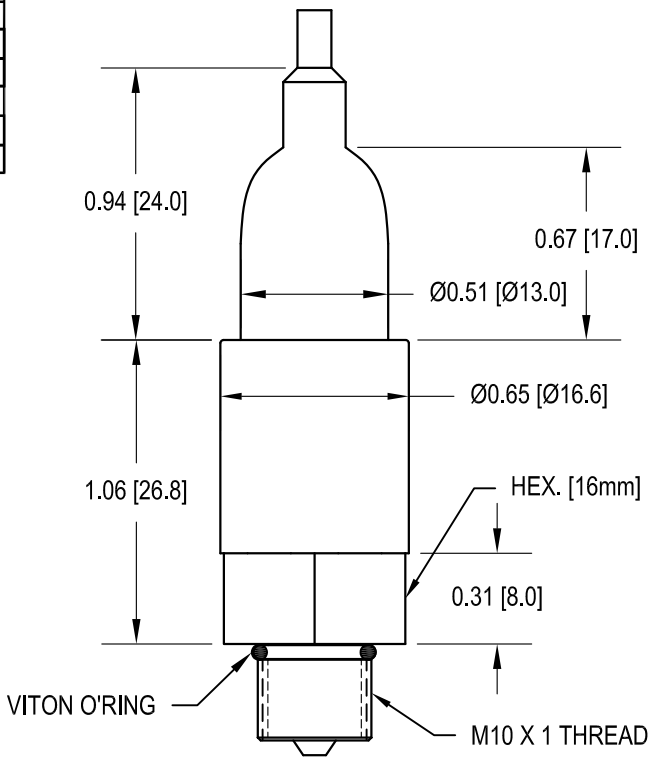
FUTEK MODEL PMP920 SERIES

MINIATURE PRESSURE SENSOR

(Previously P920 series) CE *COMPLIANT*

Drawing Number: FI1163-D			
INCH [mm]	R.O.= Rated Output		
PMP921 WIRING CODE (WC1)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLUE OR BLACK	GREEN OR YELLOW	WHITE
PMP924 WIRING CODE (WC5)			
Power Supply (+)	Voltage Output (+)	Ground	
RED	GREEN OR YELLOW	BLUE OR BLACK	

- THIN FILM TECHNOLOGY
- COMPATIBLE WITH MOST FLUIDS
- HIGH ACCURACY
- mV/V, 5V RATIOMETRIC
- AVAILABLE IN ABSOLUTE
- HIGH TEMPERATURE OPTION





SPECIFICATIONS	MODEL PMP921	MODEL PMP924
RATED OUTPUT (R.O.) (> 2 bar)	*1.5 mV/V ± 3% R.O.*	*5 VDC ± 0.05*
RATED OUTPUT (R.O.) (= 1 bar)	*6 to 10 mV/V ± 3% R.O.*	*5 VDC ± 0.05*
- RATED OUTPUT (R.O.) (+/- Cap.)	*Proportional to + R.O.*	*Proportional to + R.O.*
ZERO BALANCE	*0 mV ± 3% R.O.*	*0 VDC ± 0.05*
EXCITATION	*5-15 VDC*	*8 to 30 VDC*

SPECIFICATIONS:

RATED OUTPUT	*See Chart*
CAPACITY	*See Chart*
SAFE OVERLOAD	*150% of R.O.*
BURST PRESSURE	*300% of R.O.*
EXCITATION	*See Chart*
CURRENT DRAW	*< 10 mA*
NONLINEARITY	*±0.25% of R.O. (BFSL)*
	± 0.5% of R.O. (END POINT)
ZERO BALANCE	*See Chart*
HYSTERESIS	*±0.25% of R.O. (BFSL)*
	± 0.5% of R.O. (END POINT)
NON-REPEATABILITY	*± 0.02% of R.O.*
SIGNAL BANDWIDTH (ELECTRONIC)	*1000 Hz @ -3 dB*
INSULATION RESISTANCE	*> 1000 Mohms @ 50Vdc and 20°C*
BRIDGE RESISTANCE:	*3000 Ω (PMP921 only)*
TEMP. SHIFT ZERO	*±0.01% of R.O./°F [0.02% of R.O./°C] MAX*
TEMP. SHIFT SPAN	*±0.01% of R.O./°F [0.02% of R.O./°C] MAX*
COMPENSATED TEMP.	*32 to 140°F [0 to 60°C]*
OPTIONAL (CAP. ≥ 3 BAR)	*-13 to 257°F [-25 to 125°C]*
OPERATING TEMP. (MEDIUM & BODY)	*-40 to 257°F [-40 to 125°C]*
WEIGHT	*< 30g WITHOUT CABLE*
MATERIAL (BODY/WETTED PARTS)	*STAINLESS STEEL*
ENCLOSURE PROTECTION	*NEMA 4 (IP 65) FOR SEALED GAGE*
ELECTRICAL CONNECTION	*4 CONDUCTOR, SHIELDED*
	VITON CABLE, 3 ft [1 m] LONG
CAVITY VOLUME	*< 130 mm³*
SHOCK RESISTANCE	*100 G'S 1/2 SINUSOIDAL - 1ms*
VIBRATION RESISTANCE	*±0.02%R.O./G (20-2000 Hz, 50G'S MAX)*
EMR/RF:	*COMPLIANT TO EN61000*
CALIBRATION (STD)	*CERTIFICATE OF CONFORMANCE INCLUDED*
CALIBRATION (AVAILABLE)	*NIST TRACEABLE 5 pt.*

GAUGE / RELATIVE RANGE	
CAPACITY PSI	CAPACITY BAR
-14.5/+29	-1/+2
-14.5/+43	-1/+3
-14.5/+72	-1/+5
14.5	1
29	2
43	3
72	5
145	10
290	20
580	40
1450	100
3626	250
5801	400
8702	600

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