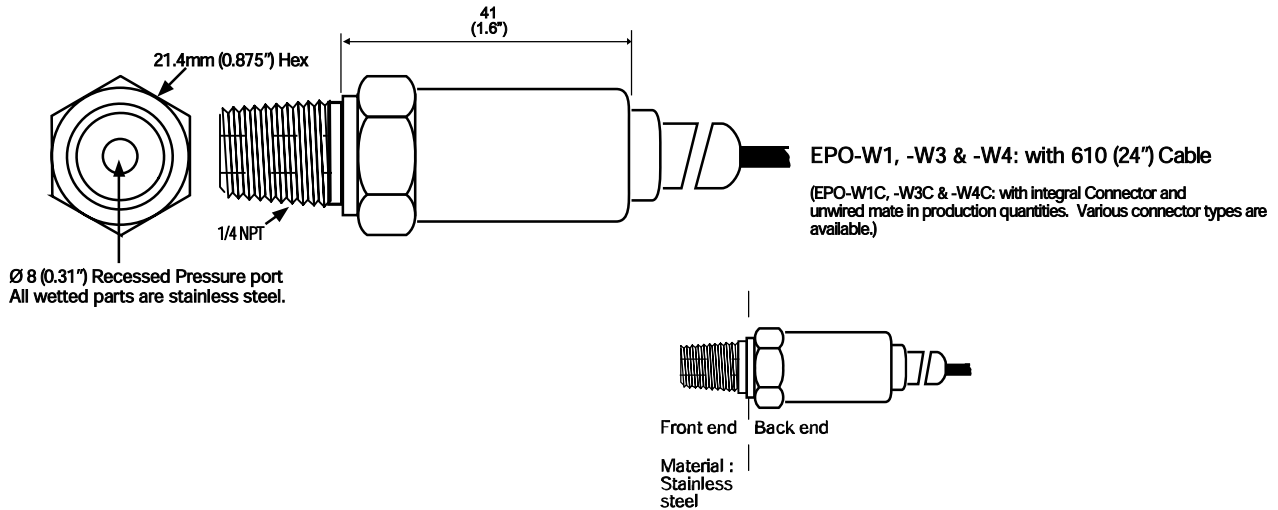


EPO Series Pressure Sensors



Low Cost Industrial & OEM

EPO-W1, EPO-W3 and EPO-W4



Dim : mm (inches)

EPO Series

PSI RANGES "FS" (Note 1)	BAR RANGES "FS" (Note 1)	PRESSURE LIMIT	RESONANT FREQUENCY nom. (Note 2)	OUTPUTS nom.			CNL&H (%FSO)	THERMAL ZERO SHIFT /50°C (/100°F)
				W1	W3	W4		
50	3.5	2 XFS	20 KHz	(not available)	1-5 V	4-20 mA	±1%	± 2% FSO
100	7	2 XFS	30 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO
250	17	2 XFS	45 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO
500	35	2 XFS	70 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO
1000	70	2 XFS	100 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO
2500	175	2 XFS	150 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO
5000	350	2 XFS	225 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO
10000	700	2 XFS	325 KHz	0-100 mV	1-5 V	4-20 mA	±1%	± 2% FSO

Notes: ¹ Vented (gauge/relative) Pressure Reference 1. Temperatures expressed in °F for PSI Ranges and °C for BAR Ranges.

² Resonant Frequency for sensor's diaphragm within the pressure port cavity. Useful frequency is 500Hz nom. Amplifier Bandwidth (-3dB) is 1KHz on W3 and W4.

	W1	W3	W4
EXCITATION:	5VDC	10-30VDC	10-30VDC
SUPPLY CURRENT:	5mA nom.	10mA max.	-
OUTPUT LOAD RECOMMENDED:	1MΩ min.	5KΩ min.	1.1KΩ
THERMAL SENSITIVITY SHIFT (TSS):	±2%/55°C (±2%/100°F)	±2%/55°C (±2%/100°F)	±2%/55°C (±2%/100°F)
OPERATING TEMPERATURE:	-20°C to 85°C (-4°F to 185°F)	-20°C to 85°C (-4°F to 185°F)	-20°C to 85°C (-4°F to 185°F)
COMPENSATED TEMPERATURE:	0°C to 55°C (30°F to 130°F)	0°C to 55°C (30°F to 130°F)	0°C to 55°C (30°F to 130°F)
ZERO OFFSET AT 21°C (70°F):	±5mV typ.	±2% FSO typ.	±2% FSO typ.
CE CONFORMANCE:	Type W1 only		
PRESSURE REFERENCE:	1 = Vented (gauge/relative) [not available on Connector versions]		
	2 = Sealed at 1 atmosphere on Connector version only		

"Off-The-Shelf" Stocking Program

 www.entran.com	EPO PRESSURE SENSORS Low Cost Industrial & OEM	Entran Sensors & Electronics USA: Fairfield, NJ UK: Garston, Watford, Herts, England Europe: Les Clayes-sous-Bois, France		
		SPECIFICATION	ISSUE	PAGE
		EPOS0001U	PE0	1 of 2

EPO specifications continued ...

Options and Accessories:

COMPENSATED TEMPERATURE RANGES:

STANDARD = 0°C to 55°C (30°F to 130°F)
Z* = Non-standard, contact Entran

EXCITATION VOLTAGE:

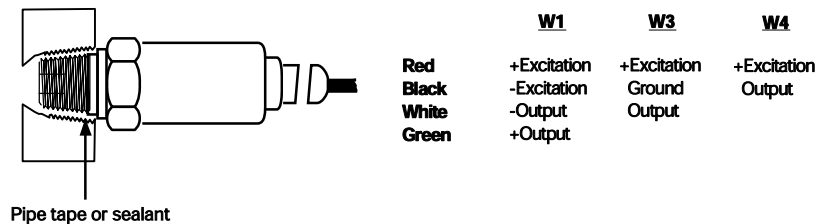
STANDARD = 5VDC
V00 = Replace "00" with Excitation between 1 and 5. If less than 5, Sensitivity (FSO) will decrease accordingly.
V* = Non-standard Excitation with standard FSO and non-standard TSS, contact Entran.

Model Number construction:

<u>EPO</u> Series	-	<u>W1</u> Body	<u>1</u> Reference	-	<u>Z</u> Range	<u>B</u> Units	-	<u>V2</u> Options
		W1	1		(K used for 1000 Ex: 1K)	B = BAR P = PSI		V1 thru V5 or V* Z*
		W3	1					
		W4	1					

"Off-The-Shelf" Stocking Program

Installation:



Entran®	EPO PRESSURE SENSORS	SPECIFICATION	ISSUE	PAGE
		EPOS0001U	PE0	2 of 2

CONTATO

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