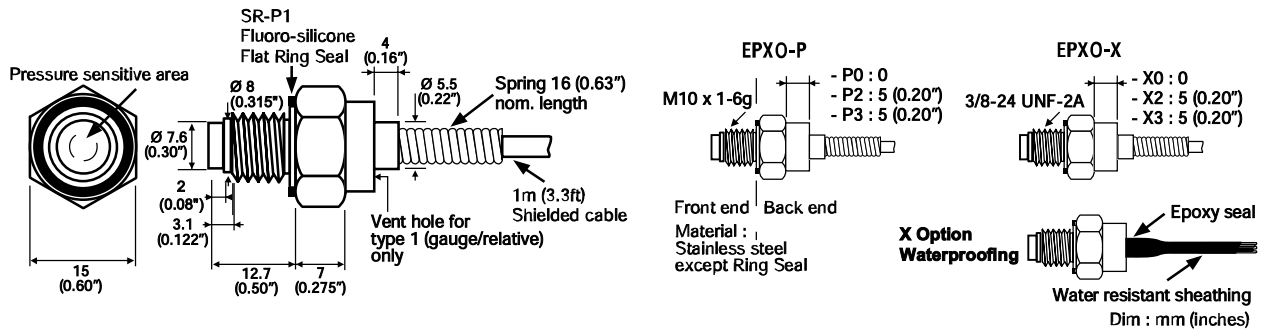


EPXO Series Pressure Sensors

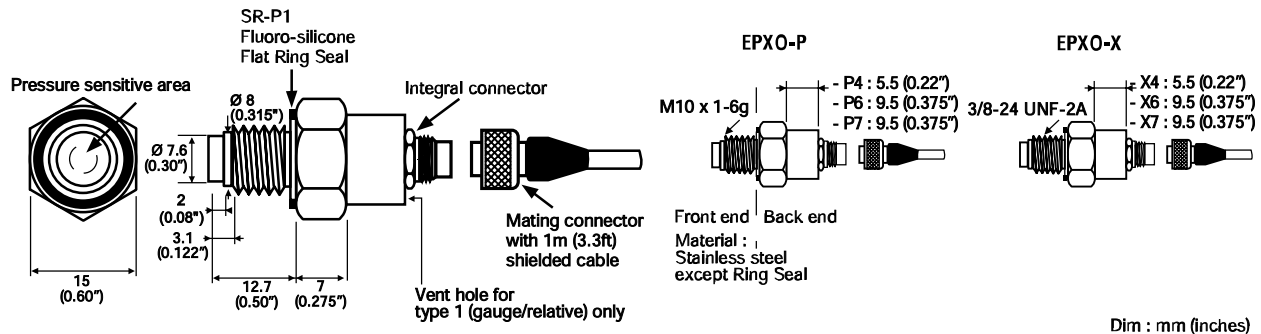
High Performance - Stainless Steel Diaphragm



EPXO-P0, -P2, -P3, -X0, -X2 and -X3



EPXO-P4, -P6, -P7, -X4, -X6 and -X7



EPXO Series

PSI RANGES "FS" (Note 1)	BAR RANGES "FS" (Note 1)	PRESSURE LIMIT	RESONANT FREQUENCY nom. (Note 2)	OUTPUT "FSO" nom. (Note 3)	CNL&H (%FSO)	THERMAL ZERO SHIFT /50°C (/100°F)
150	10	1.5 XFS	30 KHz	9 mV or 5V	± ¼ %	±1% FSO
200	15	1.5 XFS	45 KHz	9 mV or 5V	± ¼ %	±1% FSO
300	20	1.5 XFS	50 KHz	9 mV or 5V	± ¼ %	±1% FSO
500	35	1.5 XFS	65 KHz	9 mV or 5V	± ¼ %	±1% FSO
1000	70	1.5 XFS	95 KHz	9 mV or 5V	± ¼ %	±1% FSO
1500	100	1.5 XFS	110 KHz	9 mV or 5V	± ¼ %	±1% FSO
2000	150	1.5 XFS	130 KHz	9 mV or 5V	± ¼ %	±1% FSO
3000	200	1.5 XFS	150 KHz	9 mV or 5V	± ¼ %	±1% FSO
5000	350	1.5 XFS	190 KHz	9 mV or 5V	± ¼ %	±1% FSO
7500	500	1.5 XFS	230 KHz	9 mV or 5V	± ¼ %	±1% FSO

Notes: ¹ Vented (gauge/relative), Sealed or Absolute Pressure References 1, 2 or 3. Temperatures expressed in °F for PSI Ranges and °C for BAR Ranges. ² Useful frequency is 20% of Resonant Frequency for types P0, P4, X0 and X4; 3KHz at 1dB for P2, P6, X2, X6 and 1KHz at 1dB for P3, P7, X3 and X7. ³ FSO is 9 mV nom. for types P0, P4, X0 and X4; 5V nom. on all others.

EXCITATION:

P0, P4, X0 & X4=5VDC P2,P6,X2 & X6=±15VDC

OUTPUT "FSO" nom.:

5V on -N,V,P,X Types 2,3,6 & 7; 9mV on -N,V,P,X Types 0 & 4.

ELECTRICAL IN:

P0, P4, X0 & X4=1KΩ nom. P2,P3,P6,P7,X2,X3,X6 & X7=15mA max.

ELECTRICAL OUT:

P0, P3, P4, P7, X0, X3, X4 & X7=1KΩ nom. P2,P6,X2 & X6=<1Ω

CE CONFORMANCE:

EN 61010-1, EN 50081-1, EN 50082-1

NON-REPEATABILITY:

±0.25% FSO

THERMAL SENSITIVITY SHIFT (TSS):

±1%/50°C (±1%/100°F)

OPERATING TEMPERATURE:

-40°C to 125°C (-40°F to 257°F) or 220°C (428°F) on P0 & X0 with option Z36 or Z38

COMPENSATED TEMPERATURE:

0°C to 60°C (32°F to 140°F)

ZERO OFFSET AT 21°C (70°F):

±5% FSO typ.

PRESSURE REFERENCES:

1 = Vented (gauge/relative) 3 = Absolute (Zero offset to 0 pressure absolute)

2 = Sealed at 1 atmosphere



EPXO PRESSURE SENSORS
High Performance & Output
Stainless Steel Diaphragm

Entran Sensors & Electronics

USA: Fairfield, NJ
UK: Garston, Watford, Herts, England
Europe: Les Clayes-sous-Bois, France

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EPXOS001U	PC0	1 of 2

EPXO specifications continued ...

Options and Accessories:

COMPENSATED TEMPERATURE RANGES:

STANDARD	=	0°C to 60°C (32°F to 140°F)
Z0	=	-40°C to 20°C (-40°F to 70°F)
Z02	=	-40°C to 60°C (-40°F to 140°F)
Z35	=	20°C to 120°C (70°F to 248°F)
Z36	=	20°C to 150°C (70°F to 300°F) on Type P0 & X0 only with Electrical In/Out of 350Ω and SR-P2 seal.
Z38	=	20°C to 200°C (70°F to 390°F) on Type P0 & X0 only with Electrical In/Out of 350Ω and SR-P2 seal.
Z*	=	Non-standard, contact Entran

EXCITATION VOLTAGE:

V*	=	Non-standard Excitation and FSO, contact Entran.
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SPECIAL CABLE LENGTH:

L00F	=	Replace "00" with total length in feet.
L00M	=	Replace "00" with total length in meters.

WATERPROOFING CABLE EXIT FOR EPXO-P0, -P2, -P3, -X0, -X2 & -X3 WITH PRESSURE REFERENCE TYPE 2 OR 3 ONLY:

X	=	Short term waterproofing (limited to 125°C).
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CONNECTOR WIRED TO CABLE:

C	=	Microtech type male or equivalent (w/o mate)
RS	=	RJ Telephone type male (w/o mate)
RQ	=	Pins to mate with MM50 screw terminals

MATING CONNECTORS FOR CONNECTOR OPTIONS:

See Cable and Connector Bulletins

EXTRA RING SEALS FOR EPXO:

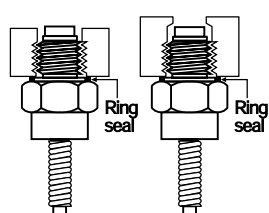
SR-P1 = Fluoro-Silicone SR-P2 = Viton

Model Number construction:

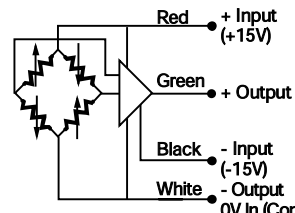
EPXO Series	-	P0 Body	1 Reference	-	100 Range	B Units	-	/RS/L3M/Z0 Options
		P0 P6 X3	1		(K used for 1000 Ex: 1K)	B = BAR P = PSI		C, RS or RQ L00F or L00M V* X Z0, Z02, Z35 or Z* (Z36 or Z38 on P0 & X0)
		P2 P7 X4	2					
		P3 X0 X6	3					
		P4 X2 X7						

Installation:

EPXO-P0,-P4,-X0 and -X4

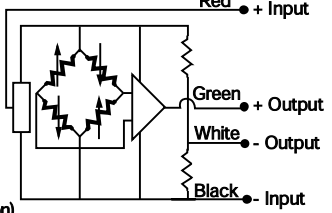


EPXO-P2,-P6,-X2 and -X6



It is recommended that "0V COMMON" of the power supply be grounded if consistent with proper operation of the instrumentation system.

EPXO-P3,-P7,-X3 and -X7



Common mode output voltage of +2V nom. referred to -Input

Recommended installation torque :
 FS ≤ 100 bar (1500 psi) : 1m.N (8 In-Lbs)
 FS > 100 bar (1500 psi) : 2m.N (16 In-Lbs)

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CONTATO

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