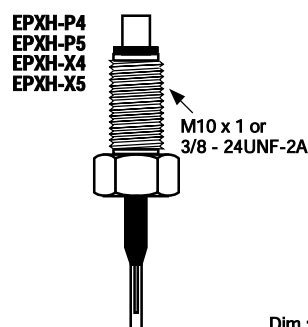
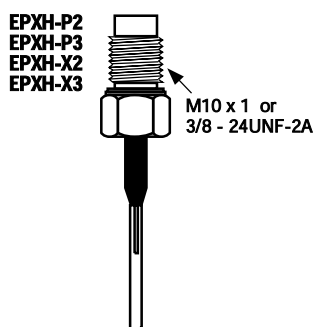
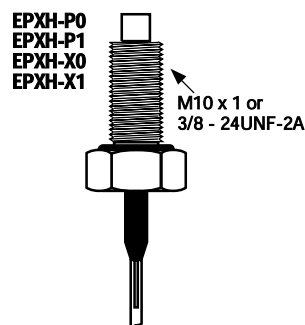
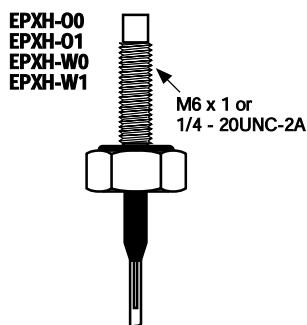


EPXH Series Pressure Sensors

High Pressure - Ablative Heat Shield Available



MOUNTINGS



Dim : mm (inches)

EPXH Series

PSI RANGES "FS" (Note 1)	BAR RANGES "FS" (Note 1)	PRESSURE LIMIT	RESONANT FREQUENCY nom. (Note 2)	OUTPUT "FSO" nom.	CNL&H (%FSO)	THERMAL ZERO SHIFT /50°C (/100°F)	G SENS. (%FSO/g)
250	15	2 XFS	120 KHz	125 mV	±½%	±1½%FSO	0.0006
500	35	2 XFS	150 KHz	125 mV	±½%	±1½%FSO	0.0004
1000	70	2 XFS	200 KHz	125 mV	±½%	±1½%FSO	0.0003
1500	100	2 XFS	240 KHz	125 mV	±½%	±1½%FSO	0.0003
2500	170	2 XFS	300 KHz	125 mV	±½%	±1½%FSO	0.0002
5000	350	1.5 XFS	450 KHz	125 mV	±½%	±1½%FSO	0.0001
7500	500	1.5 XFS	540 KHz	125 mV	±½%	±1½%FSO	0.00008
10000	700	1.5 XFS	630 KHz	125 mV	±1%	±1½%FSO	0.00007
15000	1000	1.5 XFS	750 KHz	125 mV	±1%	±1½%FSO	0.00006
20000	1400	1.2 XFS	800 KHz	125 mV	±1%	±1½%FSO	0.00005
25000	1700	1.2 XFS	900 KHz	125 mV	±1%	±1½%FSO	0.00005

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.

EXCITATION: 10VDC
IMPEDANCE IN: 1200Ω nom. typ.
IMPEDANCE OUT: 350Ω nom.
NON-REPEATABILITY: ± ¼% FSO
THERMAL SENSITIVITY SHIFT (TSS): ±2%/50°C (±2%/100°F) typ.
OPERATING TEMPERATURE: -40°C to 120°C (-40°F to 250°F).
Type P2 & X2 withstand 5 sec. Heat Blast to 1650°C (3000°F)
COMPENSATED TEMPERATURE: 20°C to 80°C (70°F to 170°F) Option Z2: 0°C to 60°C (32°F to 140°F)
ZERO OFFSET AT 21°C (70°F): ±10 mV typ.
PRESSURE REFERENCES: 1 = Vented (gauge/relative) 2 = Sealed at 1 atmosphere
 3 = Absolute (Zero offset to 0 pressure absolute)

 www.entran.com	EPXH PRESSURE SENSORS High Pressure Ablative Heat Shield Available	Entran Sensors & Electronics USA: Fairfield, NJ UK: Garston, Watford, Herts, England Europe: Les Clayes-sous-Bois, France		
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EPXH specifications continued ...

Options and Accessories:

COMPENSATED TEMPERATURE RANGES:

STANDARD = 20°C to 80°C (70°F to 170°F)
 Z0 = -40°C to 20°C (-40°F to 70°F)
 Z1 = -20°C to 40°C (0°F to 100°F)
 Z2 = 0°C to 60°C (32°F to 140°F)
 Z4 = 40°C to 90°C (100°F to 200°F)
 Z* = Non-standard, contact Entran

5 WIRE BRIDGE WIRING FOR ADJUSTABLE ZERO OFFSET:

5 = 5 Wire

EXCITATION VOLTAGE:

STANDARD = 10VDC
 V00 = Replace "00" with Excitation between 1 and 10. If less than 10, Sensitivity (FSO) will decrease accordingly.
 V* = Non-standard Excitation with standard FSO and non-standard TSS, contact Entran.

SPECIAL CABLE LENGTH:

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

CUSTOM LENGTH HEX TO TIP (CAUTION: Specify a thread length suitable to the pressure range):

0000I = Replace "0000" with thread length in inches between 0.5" and 1.5" (Ex: 1.50I).
 0000M = Replace "0000" with thread length in millimeters between 12.7mm and 38mm (Ex: 35M).

WATERPROOFING CABLE EXIT:

X = Short term waterproofing.

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 O-RINGS AND SEALS FOR EPXH:

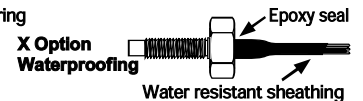
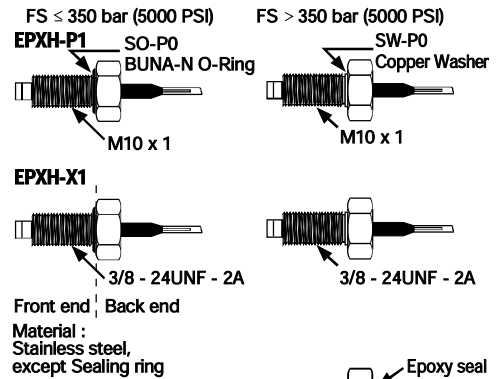
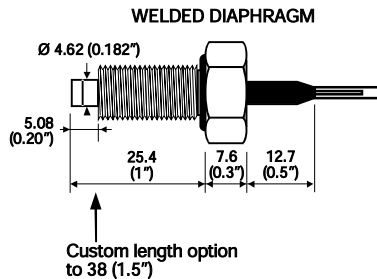
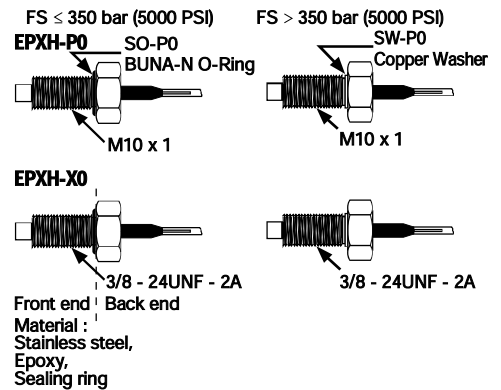
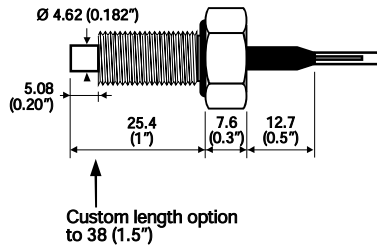
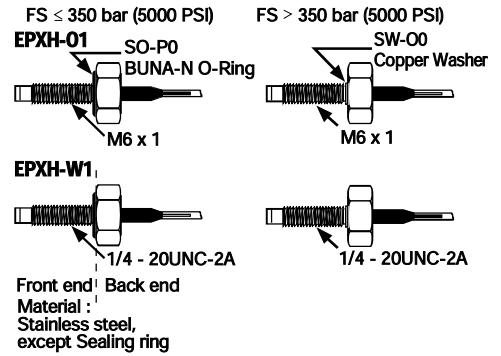
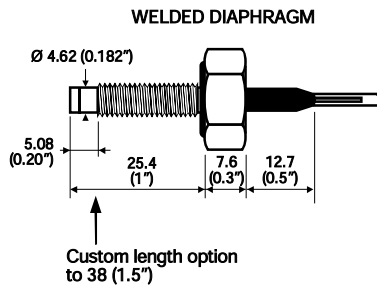
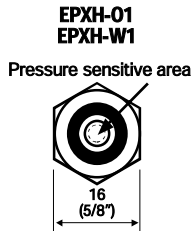
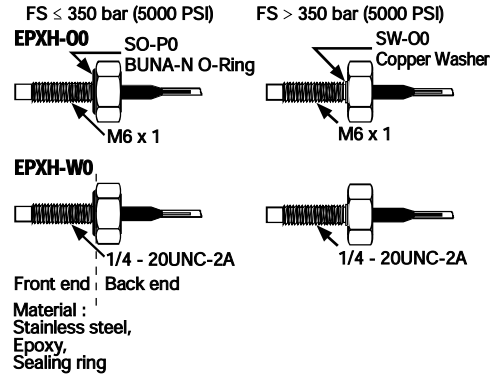
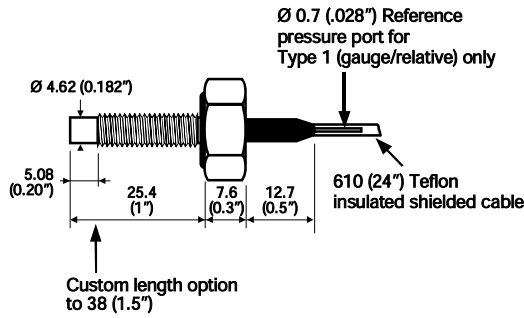
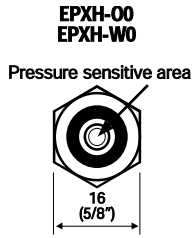
SO-P0 = BUNA-N SO-P2 = Viton SO-P3 = Teflon
 SW-O0, SW-P0, SW-P1, SW-P2 & SW-P3 = Copper Washer

Model Number construction:

<u>EPXH</u> Series	-	<u>00</u> Body	-	<u>1</u> Reference	-	<u>1.4K</u> Range	-	<u>B</u> Units	-	<u>/RS/L3M/35M/Z2</u> Options
		O0 P2 W0 X2		1		(K used		B = BAR		C, RS or RQ V1 thru V10 or V*
		O1 P3 W1 X3		2		for 1000		P = PSI		L00F or L00M X
		P0 P4 X0 X4		3		Ex: 1K)				0000I or 0000M Z0, Z1, Z2, Z4 or Z*
		P1 P5 X1 X5								5

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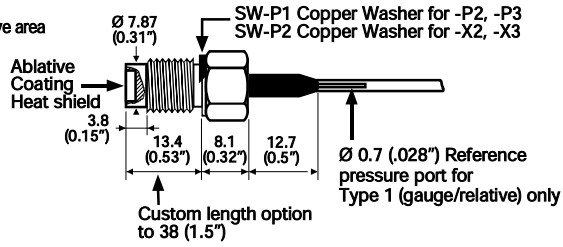
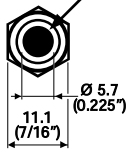


Dim : mm (inches)

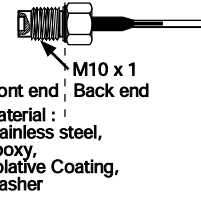
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EPXH specifications continued ...

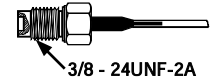
**EPXH-P2
EPXH-X2**
Recessed pressure sensitive area



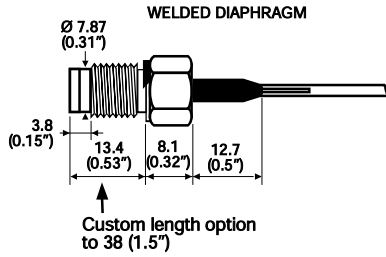
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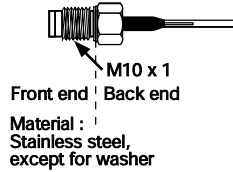
EPXH-X2



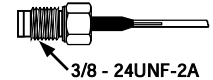
**EPXH-P3
EPXH-X3**
Pressure sensitive area



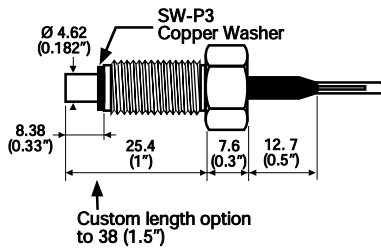
EPXH-P3



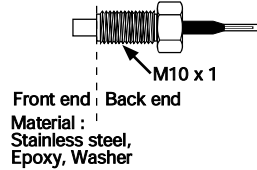
EPXH-X3



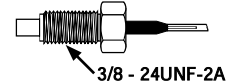
**EPXH-P4
EPXH-X4**



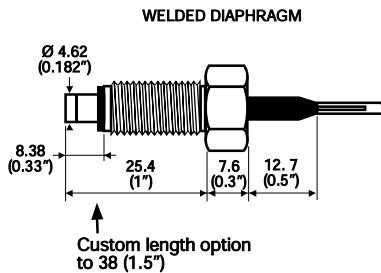
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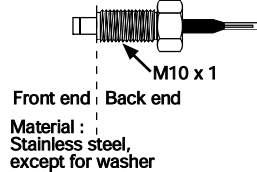
EPXH-X4



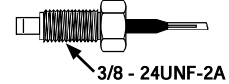
**EPXH-P5
EPXH-X5**



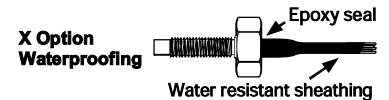
EPXH-P5



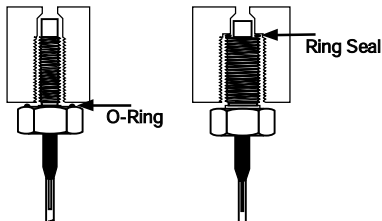
EPXH-X5



Dim : mm (inches)



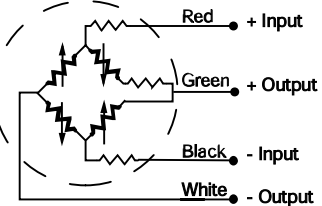
Installation:



INSTALLATION

For models with metal O-Rings, the face of the mounting surface must be machined to circular concentric 16 micro inches or better. When mounting the sensor, tighten and pressurize in repeated steps working up to full range. **DO NOT ATTEMPT TO TIGHTEN FOR FULL PRESSURE RANGE IN ONE STEP AS SEAL MAY RELAX.** Maximum allowable torque is 100 In-Lbs. (12 m.N).

SENSOR



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CONTATO

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