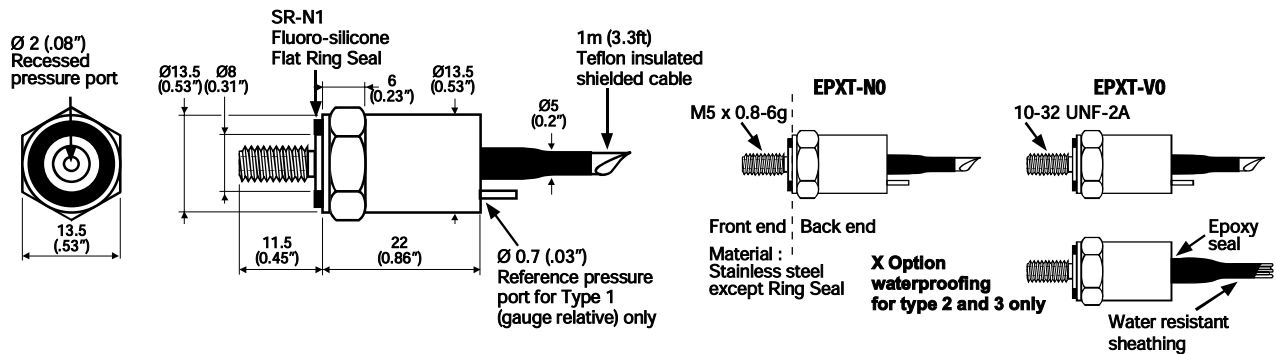


# EPXT Series Pressure Sensors

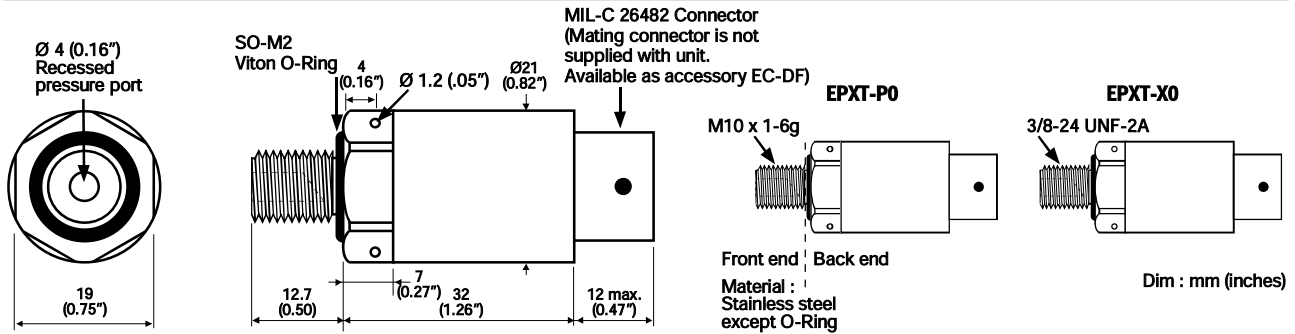
## High Temperature - Stainless Steel Diaphragm



### EPXT-N0 and EPXT-V0



### EPXT-P0 and EPXT-X0



### EPXT Series

PSI RANGES "FS" (Note 1)	BAR RANGES "FS" (Note 1)	PRESSURE LIMIT	RESONANT FREQUENCY nom. (Note 2)	OUTPUT "FSO" nom. (Note 3)	NON-LIN. (%FSO)	HYST (%FSO)	THERMAL ZERO SHIFT /50°C (/100°F)
75	5	1.5 XFS	20 KHz	20 mV	± 0.5 %	± 0.05 %	0.3 % FSO
150	10	1.5 XFS	30 KHz	20 mV	± 0.5 %	± 0.05 %	0.3 % FSO
300	20	1.5 XFS	50 KHz	20 mV	± 0.5 %	± 0.05 %	0.3 % FSO
750	50	1.5 XFS	80 KHz	20 mV	± 0.2 %	± 0.05 %	0.3 % FSO
1500	100	1.5 XFS	100 KHz	20 mV	± 0.2 %	± 0.05 %	0.3 % FSO
3000	200	1.5 XFS	150 KHz	20 mV	± 0.2 %	± 0.05 %	0.3 % FSO
5000	350	1.5 XFS	200 KHz	20 mV	± 0.5 %	± 0.05 %	0.3 % FSO
7500 (Note 4)	500 (Note 4)	1.5 XFS	250 KHz	20 mV	± 0.5 %	± 0.05 %	0.3 % FSO
15000 (Note 4)	1000 (Note 4)	1.2 XFS	300 KHz	20 mV	± 0.5 %	± 0.05 %	0.3 % FSO

Notes: <sup>1</sup> Vented (gauge/relative), Sealed or Absolute Pressure References 1, 2 or 3. Temperatures expressed in °F for PSI Ranges and °C for BAR Ranges. <sup>2</sup> Resonant Frequency is for sensor's diaphragm within the pressure port cavity. Useful frequency is a function of cavity resonance and thereby suitable for static and low frequency use only. <sup>3</sup> 15mV±1% FSO available as option S15. <sup>4</sup> Range available for types P0 and X0.

- EXCITATION:** 10VDC (15VDC max.)  
**IMPEDANCE IN:** 1100Ω nom. typ.  
**IMPEDANCE OUT:** 1000Ω nom.  
**NON-REPEATABILITY:** ±0.05% FSO  
**STABILITY AT CONSTANT TEMP.:** 0.2%FSO/yr for Zero Offset. 0.2%FSO/yr for Output  
**THERMAL SENSITIVITY SHIFT (TSS):** ±1%/100°C (±1%/200°F)  
**OPERATING TEMPERATURE:** -55°C to 250°C (-65°F to 480°F) for Pressure Port, electrical side limited to 200°C.  
**COMPENSATED TEMPERATURE:** -40°C to 150°C (-40°F to 300°F)  
**ZERO OFFSET AT 21°C (70°F):** ±2% FSO typ.  
**PRESSURE REFERENCES:**  
 1 = Vented (gauge/relative) available on types N0 and V0 only  
 2 = Sealed at 1 atmosphere  
 3 = Absolute (Zero offset to 0 pressure absolute)

 www.entran.com	<b>EPXT PRESSURE SENSORS</b> <b>High Temperature &amp; Stability</b> <b>Stainless Steel Diaphragm</b>	<b>Entran Sensors &amp; Electronics</b> USA: Fairfield, NJ UK: Garston, Watford, Herts, England Europe: Les Clayes-sous-Bois, France		
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# EPXT specifications continued ...

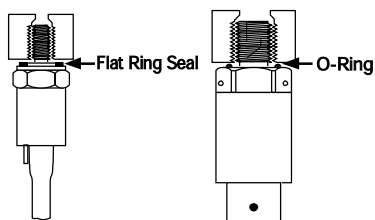
## Options and Accessories:

<b>COMPENSATED TEMPERATURE RANGES:</b>	<b>STANDARD</b>	= -40°C to 150°C (-40°F to 300°F)
	Z09	= -40°C to 220°C (-40°F to 428°F)
	Z39	= 20°C to 220°C (70°F to 428°F)
	Z*	= Non-standard, contact Entran
<b>EXCITATION VOLTAGE:</b>	<b>STANDARD</b>	= 10VDC
	V00	= Replace "00" with Excitation between 5 and 15. Output (FSO) will change accordingly.
	V*	= Non-standard Excitation and FSO, contact Entran.
<b>SPECIAL CABLE LENGTH FOR EPXT-N0 AND EPXT-V0 ONLY:</b>	L00F	= Replace "00" with total length in feet.
	L00M	= Replace "00" with total length in meters.
<b>CONNECTOR WIRED TO CABLE FOR EPXT-N0 EPXT-V0 ONLY:</b>	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
<b>MATING CONNECTOR FOR EPXT-P0 AND EPXT-X0:</b>	EC-DF	
<b>MATING CONNECTORS FOR CONNECTOR OPTIONS:</b>	See Cable and Connector Bulletins	
<b>WATERPROOFING CABLE EXIT FOR EPXT-N0 &amp; V0 WITH PRESSURE REFERENCES TYPE 2 OR 3 ONLY:</b>	X	= Short term waterproofing (limited to 125°C).
<b>EXTRA O-RINGS FOR EPXT-P0 AND EPXT-X0:</b>	SO-M2	
<b>EXTRA RING SEALS FOR EPXT-N0 AND EPXT-V0:</b>	SR-N1	

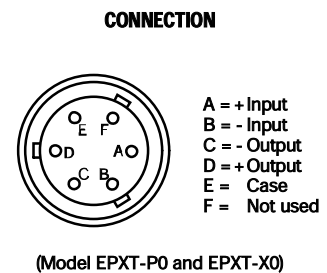
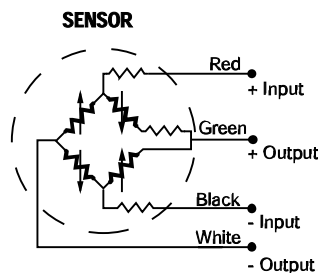
## Model Number construction:

EPXT Series	-	PO Body	1 Reference	-	10 Range	B Units	-	/L3M/Z09 Options
		N0	1		(K used for 1000 Ex: 1K)	B = BAR P = PSI		C, RS or RQ L00F or L00M S15 V00 or V* X Z09, Z39 or Z*
		P0	2					
		V0	3					
		X0						

## Installation:



**Recommended installation torque :**  
 FS : 5 to 200 bar (75 to 3000 psi) : 1.2 m.N (10 In-Lbs)  
 FS : >200 bar (3000 psi) : 1.8 m.N (15 In-Lbs)



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### CONTATO

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Metrolog Controles de Medição