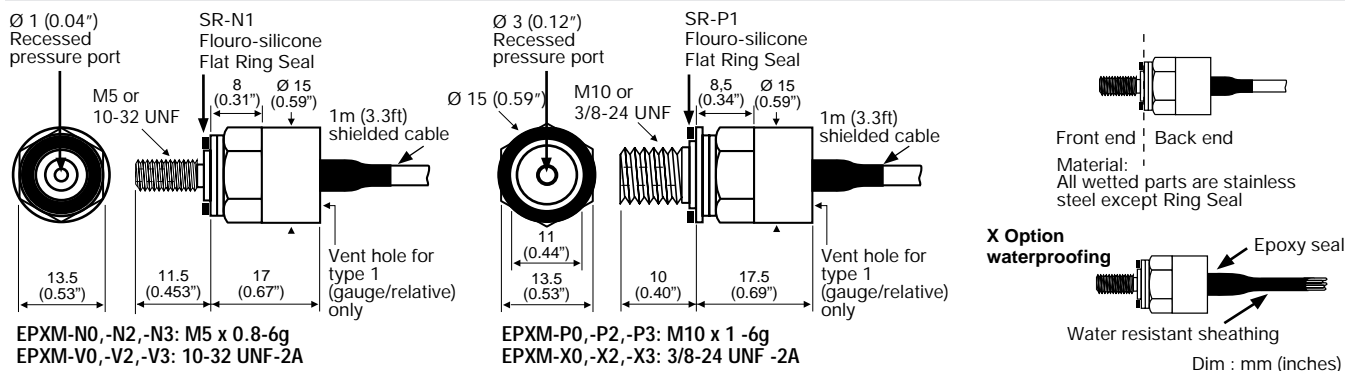


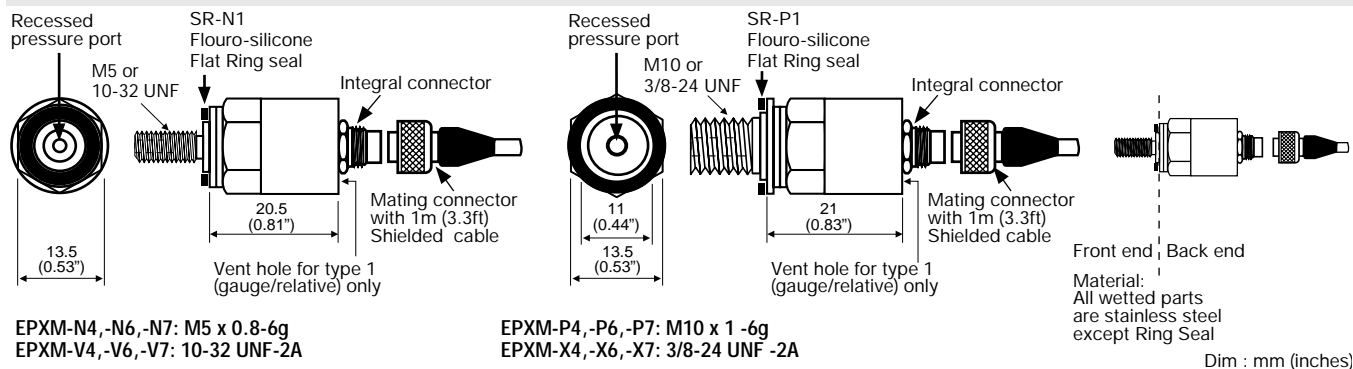
# Specifications



## EPXM-N0, -N2, -N3, -P0, -P2, -P3, -V0, -V2, -V3, -X0, -X2 and -X3



## EPXM-N4, -N6, -N7, -P4, -P6, -P7, -V4, -V6, -V7, -X4, -X6 and -X7



## EPXM 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	1.5XFS	30 KHz	9 mV or 5V	± 3/4 %	± 1/2 % FSO
200	15	1.5XFS	45 KHz	9 mV or 5V	± 3/4 %	± 1/2 % FSO
300	20	1.5XFS	50 KHz	9 mV or 5V	± 1/4 %	± 1/2 % FSO
500	35	1.5XFS	65 KHz	9 mV or 5V	± 1/4 %	± 1/2 % FSO
1000	70	1.5XFS	95 KHz	9 mV or 5V	± 1/4 %	± 1/2 % FSO
1500	100	1.5XFS	110 KHz	9 mV or 5V	± 1/4 %	± 1/2 % FSO
2000	150	1.5XFS	130 KHz	9 mV or 5V	± 1/4 %	± 1/2 % FSO
3000	200	1.5XFS	150 KHz	9 mV or 5V	± 1/4 %	± 1/2 % FSO
5000	350	1.5XFS	190 KHz	9 mV or 5V	± 1/4 %	± 1/2 % 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 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> FSO is 9 mV nom. for types N0, N4, P0, P4, V0, V4, X0, X4; 5V nom. on all others.

**EXCITATION:** N0, N4, P0, P4, V0, V4, X0 & X4=5VDC N2, N6, P2, P6, V2, V6, X2 & X6=±15VDC  
N3, N7, P3, P7, V3, V7, X3 & X7=28VDC (24-32VDC)

**ELECTRICAL IN:** N0, N4, P0, P4, V0, V4, X0 & X4=1KΩ nom. All except N0, N4, P0, P4, V0, V4, X0 & X4=15mA max.

**ELECTRICAL OUT:** All except N2, N6, P2, P6, V2, V6, X2 & X6=1KΩ nom. N2, N6, P2, P6, V2, V6, X2 & X6=<1Ω

**CE CONFORMANCE:** EN 61010-1, EN 50081-1, EN 50082-1

**NON-REPEATABILITY:** ±0.1% FSO

**THERMAL SENSITIVITY SHIFT (TSS):** ±1/2%/50°C (±1/2%/100°F)

**OPERATING TEMPERATURE:** -40°C to 125°C (-40°F to 257°F) or 220°C (428°F) on N0, P0, V0 or 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)  
2 = Sealed at 1 atmosphere  
3 = Absolute (Zero offset to 0 pressure absolute)

Entran®



TITLE  
EPXM PRESSURE SENSORS  
High Stability-Stainless Steel  
Recessed Diaphragm

Entran Devices, Inc.  
FAIRFIELD, NJ, USA

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## Options and Accessories:

### COMPENSATED TEMPERATURE RANGES:

<b>STANDARD</b>	=	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 N0,P0,V0 & X0 only.
Z38	=	20°C to 200°C (70°F to 390°F) on type N0,P0,V0 & X0 only.
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 EPXM-N0, -N2, -N3, -P0, -P2, -P3, -V0, -V2, -V3, -X0, -X2 & -X3 WITH PRESSURE REFERENCE TYPE 2 OR 3 ONLY:

X	=	Short term waterproofing.
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### CONNECTOR WIRED TO CABLE:

C	=	Microtech type male (w/o mate)
RS	=	RJ Telephone type male (w/o mate)

### MATING CONNECTORS FOR CONNECTOR OPTIONS:

See Cable and Connector Bulletins

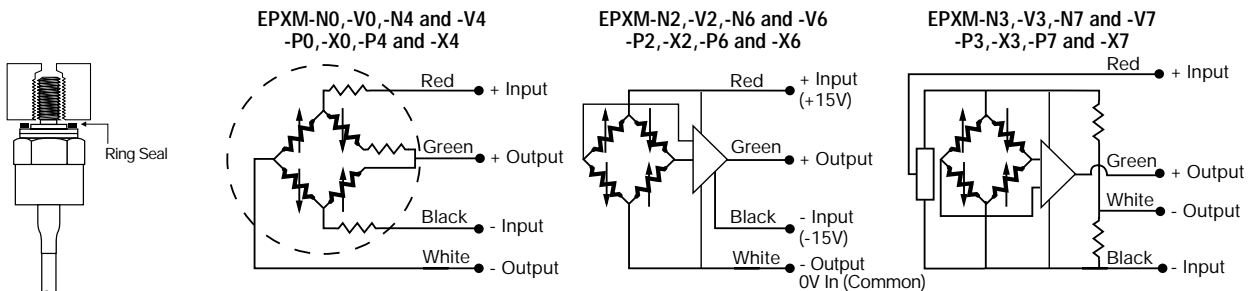
### EXTRA RING SEALS FOR EPXM:

SR-N1 = Flouro-Silicone	SR-N2 = Viton
SR-P1 = Flouro-Silicone	SR-P2 = Viton

## Model Number construction:

EPXM Series	-	N0 Body	1 Reference	-	150 Range	B Units	-	/RS/L3M/Z0 Options
		N0 P0 V0 X0	1		(K used for 1000 Ex: 1K)	B = BAR P = PSI		C or RS L00F or L00M V* X Z0, Z02, Z35 or Z* (Z36 or Z38 on N0,P0,V0 & X0)
		N2 P2 V2 X2	2					
		N3 P3 V3 X3	3					
		N4 P4 V4 X4						
		N6 P6 V6 X6						
		N7 P7 V7 X7						

## Installation:



### Recommended installation torque :

For all pressure range: 1m.N (8 In-Lbs)

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

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

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