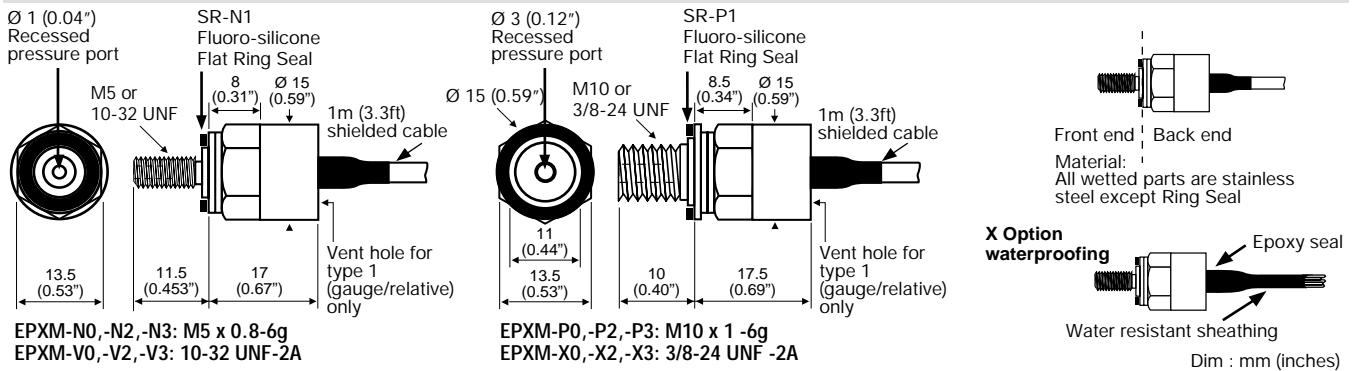


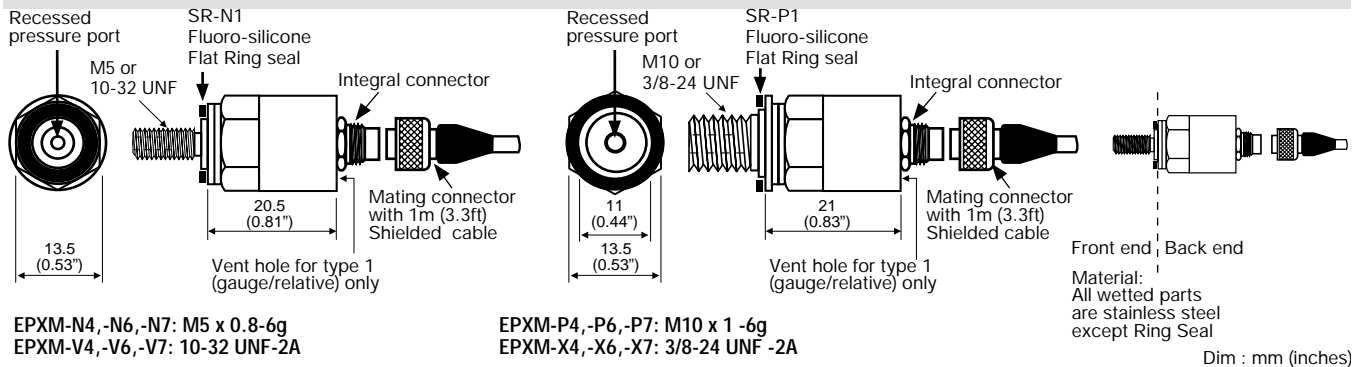
# EPXM Series Pressure Sensors

## High Stability - Recessed Stainless Steel Diaphragm

### 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	± ¼ %	± ½ % FSO
200	15	1.5XFS	45 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
300	20	1.5XFS	50 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
500	35	1.5XFS	65 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
1000	70	1.5XFS	95 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
1500	100	1.5XFS	110 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
2000	150	1.5XFS	130 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
3000	200	1.5XFS	150 KHz	9 mV or 5V	± ¼ %	± ½ % FSO
5000	350	1.5XFS	190 KHz	9 mV or 5V	± ¼ %	± ½ % 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)

**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:** 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):** ±½%/50°C (±½%/100°F)

**OPERATING TEMPERATURE:** -40°C to 125°C (-40°F to 257°F)

**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

 www.entran.com	<b>EPXM PRESSURE SENSORS</b> High Stability-Stainless Steel Recessed Diaphragm	<b>Entran Sensors &amp; Electronics</b> USA: Fairfield, NJ UK: Garston, Watford, Herts, England Europe: Les Clayes-sous-Bois, France		
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# EPXM 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)  
 Z\* = Non-standard, contact Entran

### EXCITATION VOLTAGE:

V\* = Non-standard Excitation and FSO, contact Entran.

### 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.

### 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

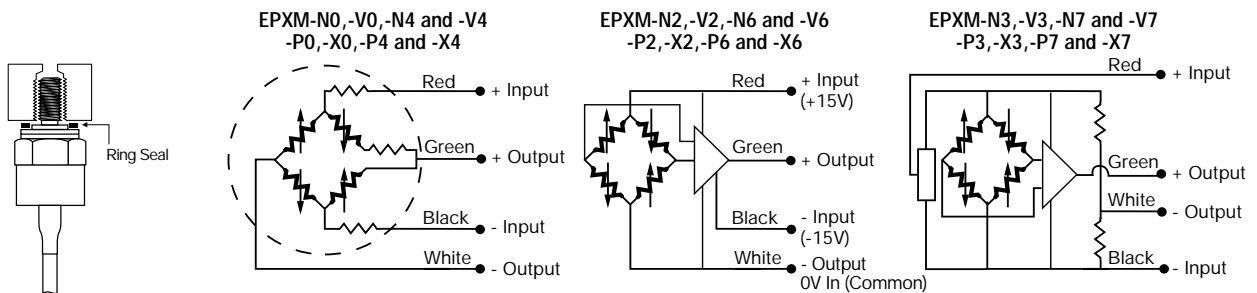
### EXTRA RING SEALS FOR EPXM:

SR-N1 = Fluoro-Silicone    SR-N2 = Viton  
 SR-P1 = Fluoro-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, RS or RQ L00F or L00M V* X Z0, Z02, Z35 or Z*
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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