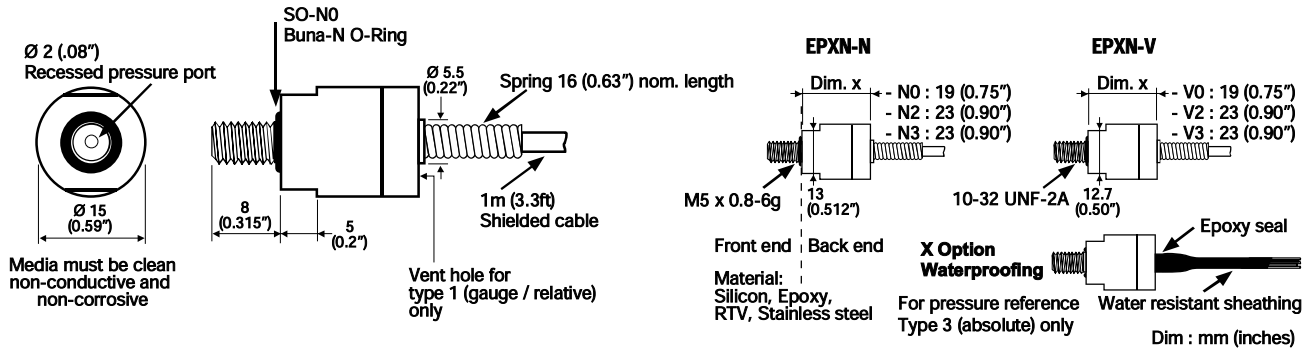


EPXN Series Pressure Sensors

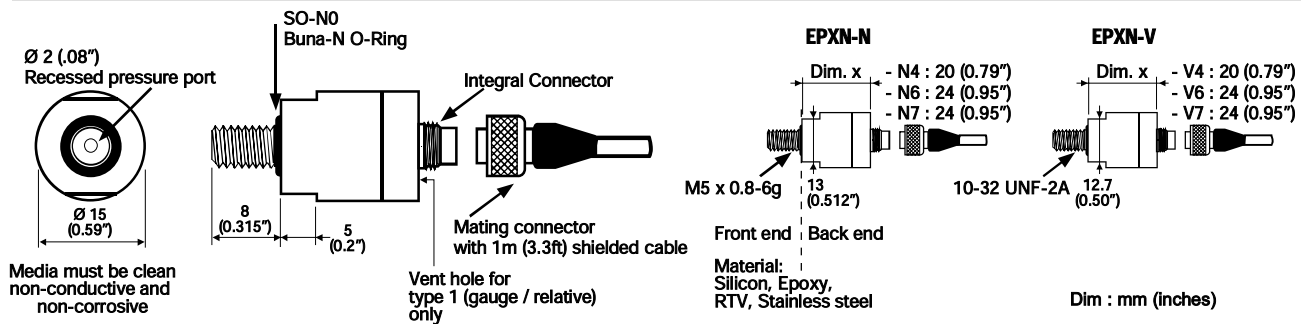
Long Term Stability - Recessed Diaphragm



EPXN-N0, -N2, -N3, -V0, -V2 and -V3



EPXN-N4, -N6, -N7, -V4, -V6 and -V7



EPXN Series

PSI RANGES "FS" (Note 1)	BAR RANGES "FS" (Note 1)	PRESSURE LIMIT	RESPONSE TIME min. (Note 2)	OUTPUT "FSO" nom. (Note 3)	CNL&H (%FSO)	THERMAL ZERO SHIFT /50°C (/100°F)
5	0.3	3 XFS	20 mS	50 mV or 5V	± 0.5 %	±1% FSO
15	1	3 XFS	20 mS	75 mV or 5V	± 0.3 %	±1% FSO
30	2	3 XFS	20 mS	75 mV or 5V	± 0.3 %	±1% FSO
75	5	3 XFS	20 mS	75 mV or 5V	± 0.3 %	±1% FSO
150	10	3 XFS	20 mS	75 mV or 5V	± 0.3 %	±1% FSO

Notes: ¹ Vented (gauge/relative) or Absolute Pressure (except 0.3BAR & 5PSI ranges) References 1 or 3. Temperatures expressed in °F for PSI Ranges and °C for BAR Ranges. ² Useful frequency is a function of cavity resonance and thereby suitable for static and low frequency use only. ³ FSO is 50mV and 75mV for types N0, N4, V0 and V4; 5V nom. on all others.

EXCITATION:	N0,N4,V0 & V4=15VDC N3,N7,V3 & V7=28VDC (24-32VDC)	N2,N6,V2 & V6=±15VDC
OUTPUT "FSO" nom.:	5V on -N,V Types 2,3,6, & 7; 50mV and 75mV on -N,V Types 0 & 4.	
ELECTRICAL IN:	N0,N4,V0 & V4=15KΩ nom.	N2,N3,N6,N7,V2,V3,V6 & V7=3mA max.
ELECTRICAL OUT:	N0,N4,V0 & V4=5KΩ nom. N3, N7, V3 & V7=1KΩ	N2,N6,V2 & V6=<1Ω
CE CONFORMANCE:	EN 61010-1, EN 50081-1, EN 50082-1	
STABILITY AT 21°C (70°F) (ZERO OFFSET & SENSITIVITY):	N0, N4, V0 & V4=Variation <0.2% FSO/6 months typ. N2, N3, N6, N7, V2, V3, V6 & V7=Variation <0.5% FSO/6 months typ. ±0.1% FSO	
NON-REPEATABILITY:	±0.1% FSO	
THERMAL SENSITIVITY SHIFT (TSS):	±1%/50°C (±1%/100°F)	
OPERATING TEMPERATURE:	-40°C to 120°C (-40°F to 248°F)	
COMPENSATED TEMPERATURE:	20°C to 80°C (68°F to 176°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)

<p>www.entran.com</p>	EPXN PRESSURE SENSORS Long Term Stability Recessed Diaphragm	Entran Sensors & Electronics USA: Fairfield, NJ UK: Garston, Watford, Herts, England Europe: Les Clayes-sous-Bois, France			
		SPECIFICATION	ISSUE	PAGE	
		EPXNS001U	PC0	1 of 2	

EPXN specifications continued ...

Options and Accessories:

COMPENSATED TEMPERATURE RANGES:

STANDARD = 20°C to 80°C (68°F to 176°F)
 Z0 = -40°C to 20°C (-40°F to 70°F)
 Z1 = -20°C to 40°C (-0°F to 100°F)
 Z4 = 40°C to 90°C (100°F to 200°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 BODY TYPES -N0, -N2, -N3, -V0, -V2 & -V3 WITH PRESSURE REFERENCE TYPE 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

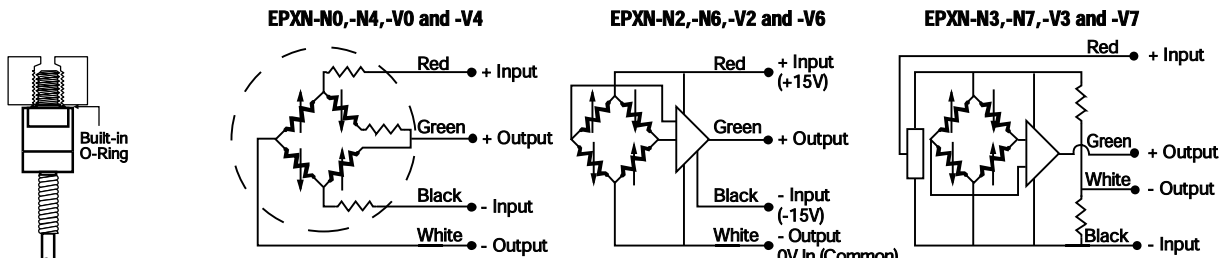
EXTRA O-RINGS FOR EPXN:

SO-N0 = BUNA-N SO-N2 = Viton SO-N3 = Teflon

Model Number construction:

EPXN Series	-	N0 Body	1 Reference	-	5 Range	B Units	-	/RS/L3M/Z1 Options
		N0 N6 V3	1			B = BAR		C, RS or RQ
		N2 N7 V4	3			P = PSI		L00F or L00M
		N3 V0 V6						V*
		N4 V2 V7						X
								Z0, Z1, Z4 or Z*

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

Entran®	EPXN PRESSURE SENSORS	SPECIFICATION	ISSUE	PAGE
		EPXNS001U	PC0	2 of 2

CONTATO

Endereço

Rua Sete de Setembro, 2671 - Centro
13560-181 - São Carlos - SP - Brasil

Telefone

+ 55 (16) 3371-0112

Fax

+ 55 (16) 3372-7800

Internet

www.metrolog.net
metrolog@metrolog.net



Metrolog Controles de Medição