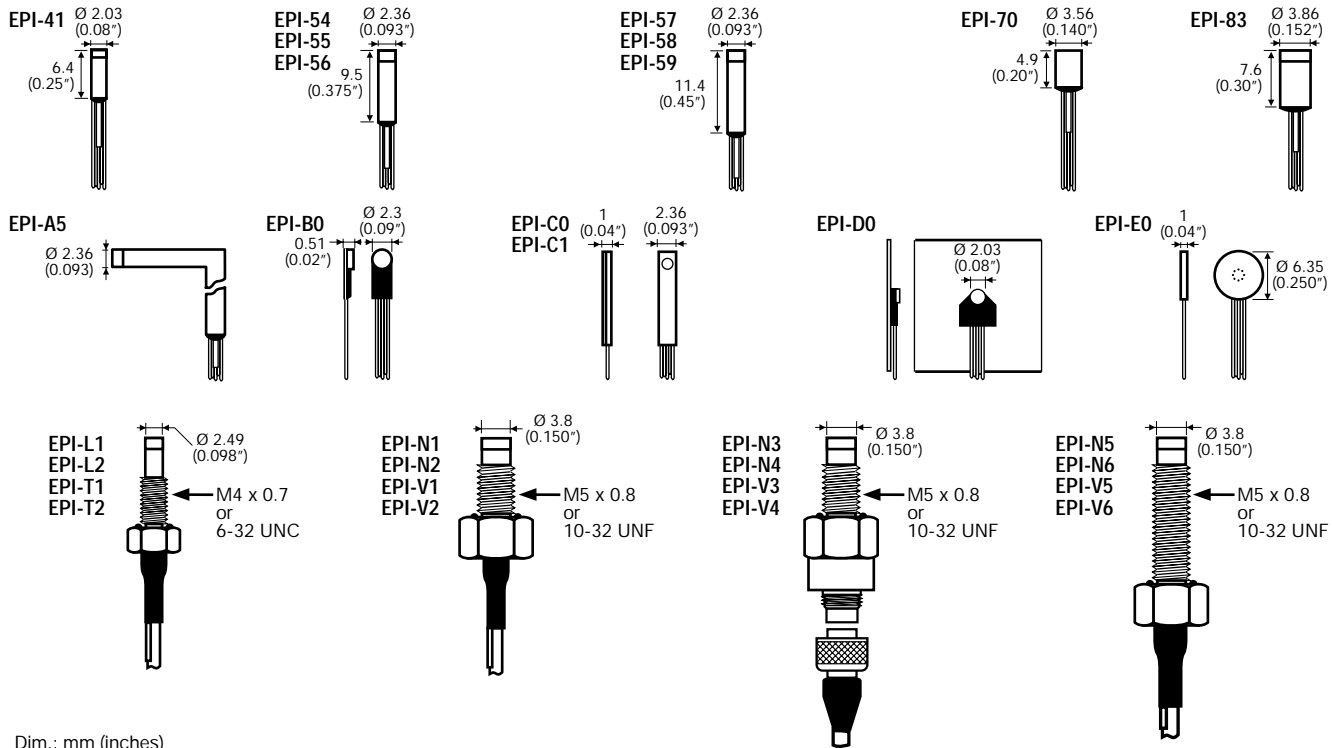


Specifications



MOUNTINGS



Dim.: mm (inches)

EPI 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)
5	0.35	5 XFS	125 KHz	15 mV	± 1 %	± 5 %FSO	0.0015
10	0.7	5 XFS	125 KHz	30 mV	± 1 %	± 2 %FSO	0.0007
15	1	3 XFS	125 KHz	45 mV	± 1 %	± 2 %FSO	0.0005
25	1.5	2 XFS	125 KHz	75 mV	± ¾ %	± 1½ %FSO	0.0003
50	3.5	2 XFS	160 KHz	90 mV	± ½ %	± 1 %FSO	0.0002
75	5	2 XFS	190 KHz	100 mV	± ½ %	± 1 %FSO	0.00015
100	7	2 XFS	220 KHz	100 mV	± ¼ %	± 1 %FSO	0.0001
250	15	2 XFS	300 KHz	100 mV	± ¼ %	± 1 %FSO	0.00008
500	35	2 XFS	420 KHz	100 mV	± ¼ %	± 1 %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:	5VDC
IMPEDANCE IN:	1200Ω nom. typ.
IMPEDANCE OUT:	1000Ω nom.
NON-REPEATABILITY:	± ¼ % FSO
THERMAL SENSITIVITY SHIFT (TSS):	-2% to -6%/50°C (-2% to -6%/100°F) typ.
OPERATING TEMPERATURE:	-40°C to 120°C (-40°F to 250°F)
COMPENSATED TEMPERATURE:	20°C to 80°C (70°F to 170°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)

Option Z2: 0°C to 60°C (32°F to 140°F)

"Off-The-Shelf" Stocking Program

	TITLE	Entran Devices, Inc.		
	EPI PRESSURE SENSORS Subminiature General Purpose	FAIRFIELD, NJ, USA		
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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 = 5VDC
	V0 = Replace "0" with Excitation between 1 and 5. If less than 5, Sensitivity (FSO) will decrease accordingly.
	V10 = 10V Excitation, Input Impedance = 2000Ω nom. typ., TSS = -4% nom. typ.
	V* = Non-standard Excitation with standard FSO and non-standard TSS, contact Entran.
SPECIAL LEAD OR CABLE LENGTH:	L00F = Replace "00" with total length in feet.
	L00M = Replace "00" with total length in meters.
SPECIAL MODULE LOCATION FOR -41, -54, -57, -70, -83, -A5, -B0, -C0, -D0 & -E0:	M00F = Replace "00" with distance between sensor and module in feet.
	M00M = Replace "00" with distance between sensor and module in meters.
CUSTOM LENGTH:	0000I = Replace "0000" with length in inches between 0.25" and 1.50" (Ex: 1.50I)
	0000M = Replace "0000" with length in millimeters between 6.3mm and 38mm (Ex: 35M)
PROTECTIVE COATINGS ON DIAPHRAGM:	PAR = Parylene
	RTV = RTV Silicone Rubber
REPLACEMENT OF "B" TYPE SCREEN WITH "M" SCREEN ON -54, -55, -57, -58, -83, -A5, -L2, -N2, -N4, -N6, -T2, -V2, -V4 & -V6:	M = "M" Screen
WATERPROOFING LEAD OR CABLE EXIT FOR -41, -54, -57 AND -A5 WITH PRESSURE REFERENCES "2" AND "3" ONLY AND ON ALL THREADED BODIES EXCEPT -N3, -N4, -V3 & -V4:	X = Short term waterproofing. Limited to 105°C (220°F) except on threaded mountings.
CONNECTOR WIRED TO LEADS OR CABLE:	C = Microtech type male (w/o mate) for leads or cable.
	R = RJ Telephone type male (w/o mate) for leads.
	RS = RJ Telephone type male (w/o mate) for cable.
MATING CONNECTORS FOR CONNECTOR OPTIONS:	See Cable and Connector Bulletins
EXTRA O-RINGS FOR EPI:	SO-L0, N0 & V0 = BUNA-N SO-N2 & -V2 = Viton SO-N3 = Teflon

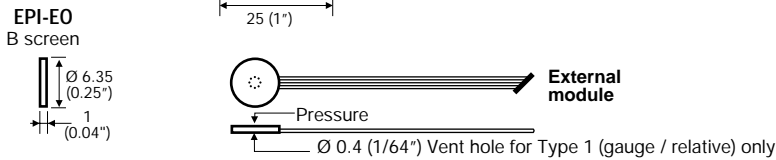
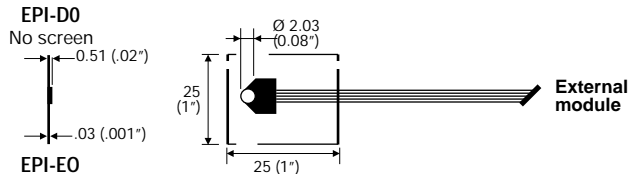
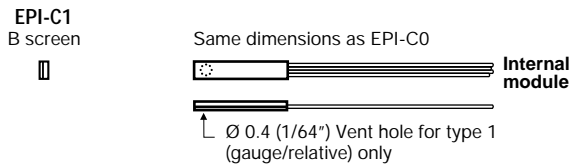
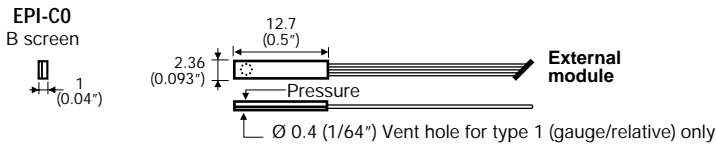
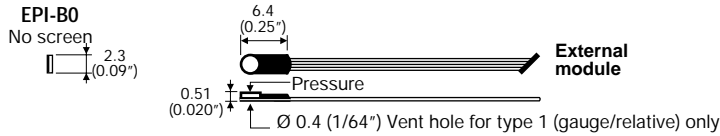
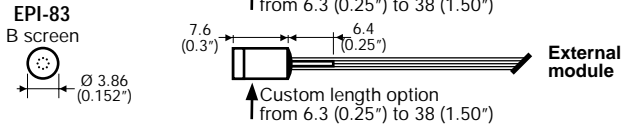
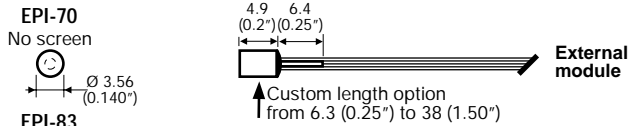
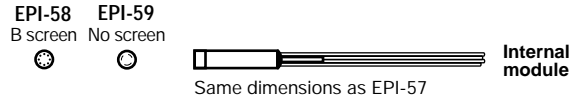
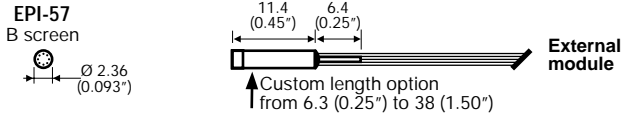
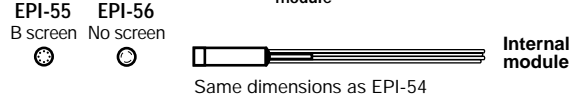
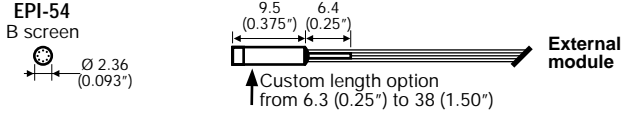
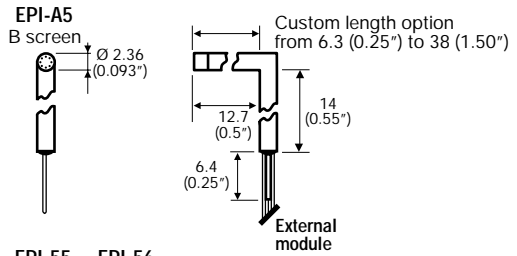
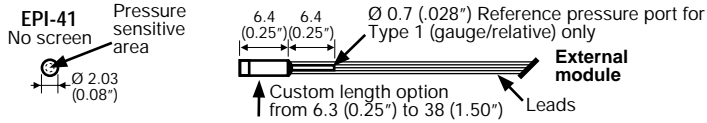
Model Number construction:

EPI Series	-	41 Body	1 Reference	-	5 Range	B Units	-	R/L3M/35M/Z2 Options
		41 83 L2 T2	1		(K used for 1000 Ex: 1K)	B = BAR P = PSI		C, R or RS PAR or RTV L00F or L00M V1 thru V5, V10 or V* M X M00F or M00M Z0, Z1, Z2, Z4 or Z* 0000I or 0000M 5
		54 A5 N1 V1	2					
		55 B0 N2 V2	3					
		56 C0 N3 V3						
		57 C1 N4 V4						
		58 D0 N5 V5						
		59 E0 N6 V6						
		70 L1 T1						

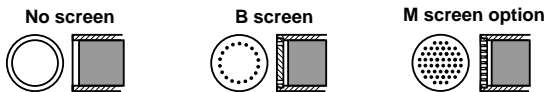
"Off-The-Shelf" Stocking Program

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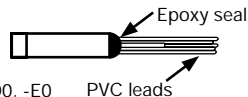


PRESSURE SENSING END STYLES



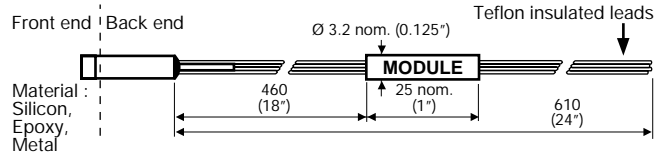
X Option waterproofing

Except on EPI-B0, -C0, -C1, -D0, -E0

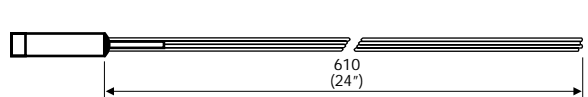


Dim.: mm (inches)

WIRING - EXTERNAL MODULE



WIRING - INTERNAL MODULE



Entran®

EPI PRESSURE SENSORS

SPECIFICATION NUMBER

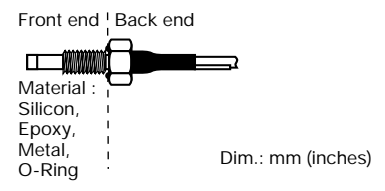
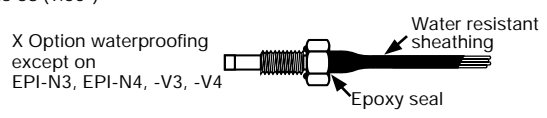
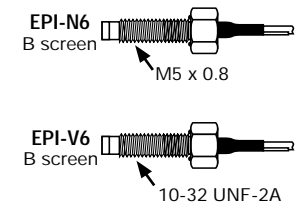
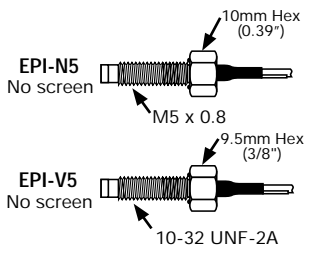
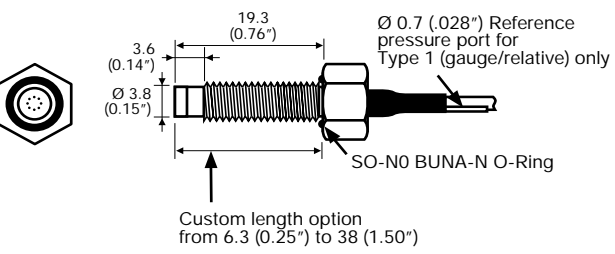
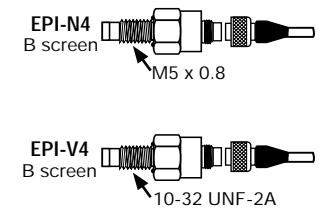
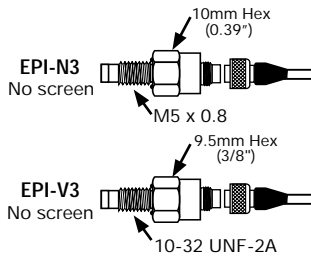
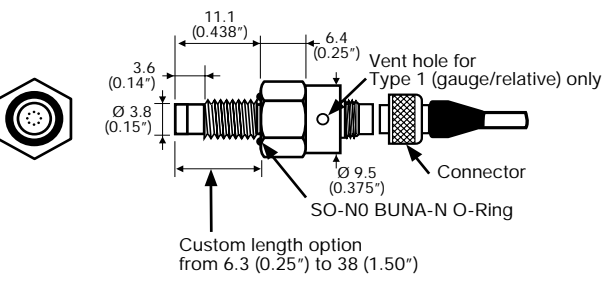
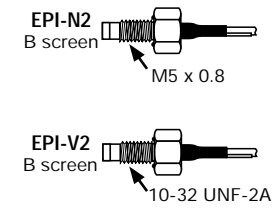
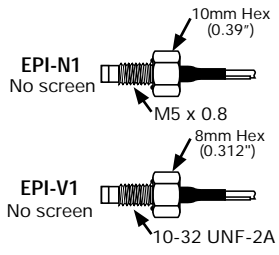
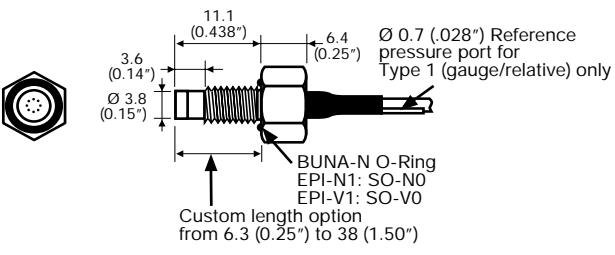
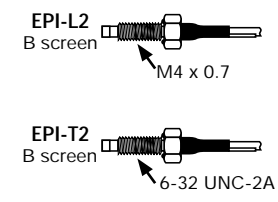
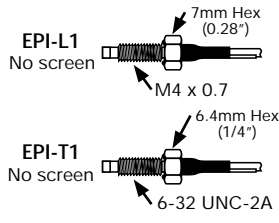
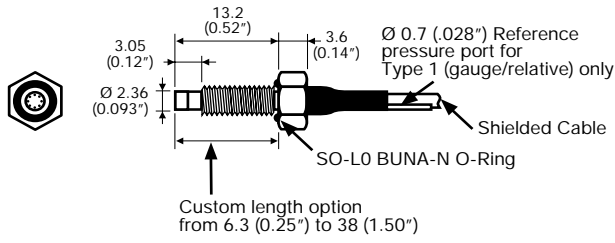
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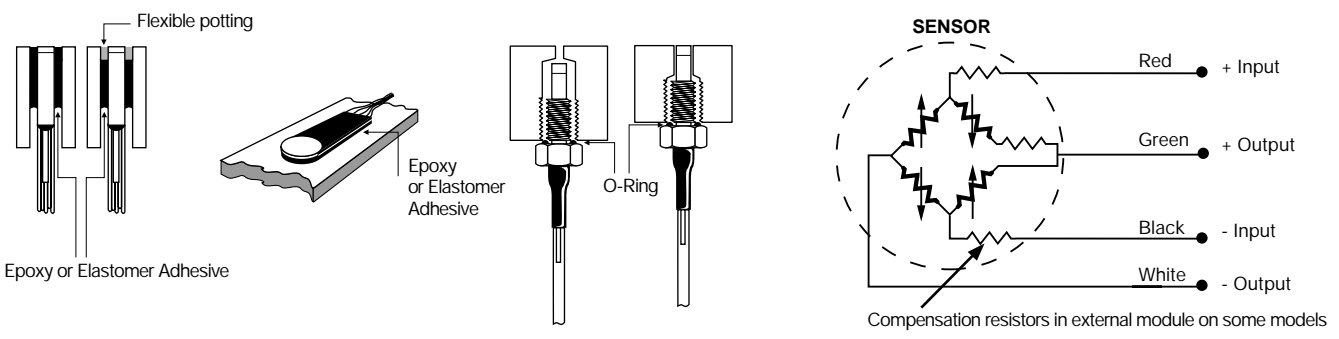
EPIS0001U

PA2

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Installation:



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