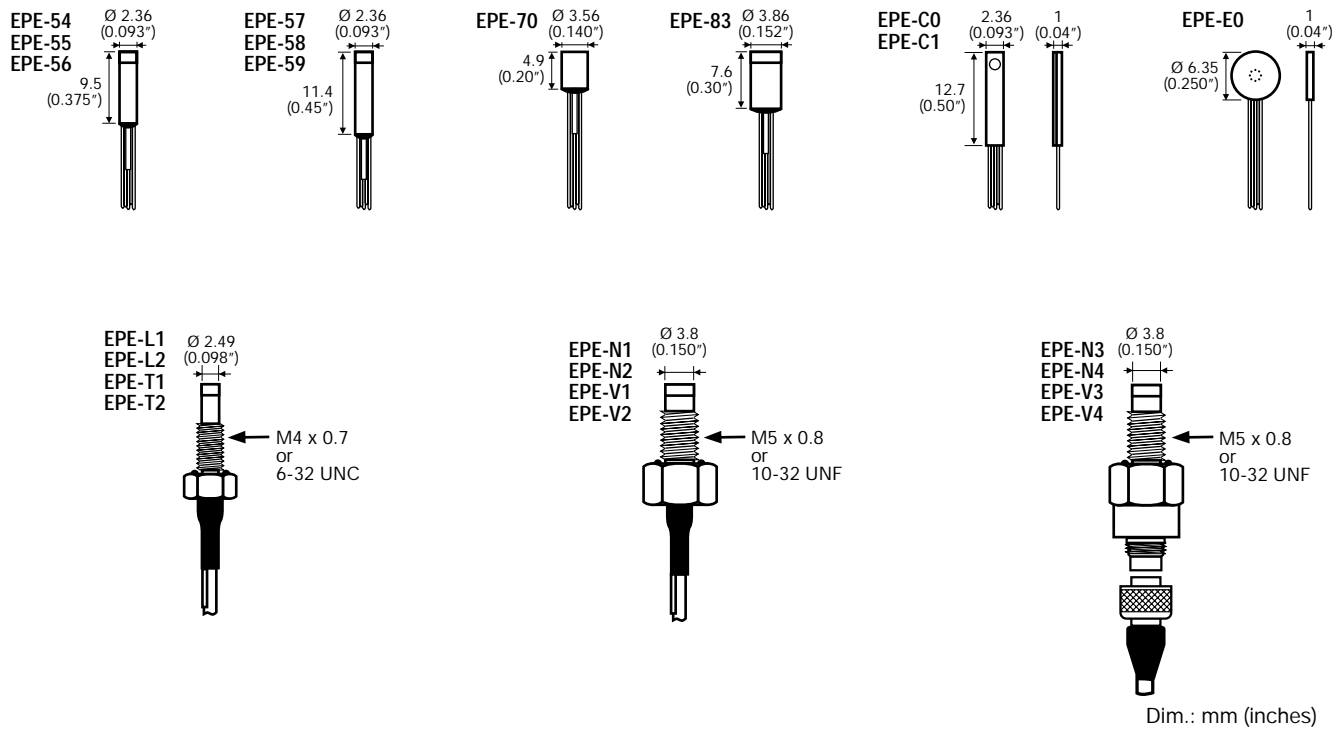


Specifications



MOUNTINGS



EPE Series

PRESSURE SENSOR:		PRESSURE LIMIT	RESONANT FREQUENCY	OUTPUT "FSO"	CNL&H	THERMAL ZERO SHIFT
PSI RANGES	BAR RANGES	BURST	nom. (Note 2)	(nom./min.)	(%FSO)	/50°C (/100°F)
"FS" (Note 1)	"FS" (Note 1)					
2	0.13	23 XFS	80 KHz	300/120 mV	± 1½ %	± 3 %FSO
5	0.35	20 XFS	100 KHz	400/200 mV	± ¾ %	± 3 %FSO

MICROPHONE (-M):		PRESSURE LIMIT	RESONANT FREQUENCY	SENSITIVITY	AMPLITUDE LINEARITY
dB SPL RANGE	PRESSURE LIMIT	BURST	nom. (Note 2)	(nom./min.)	100 to 190dB SPL
(Note 1)					
100 to 190	3 BAR (45 PSI) STATIC		80 KHz	23.2/11.6rms mV at 160dB SPL 80/40 mV/PSI (1.2/0.6 mV/mBAR) -99/-105dB ref. 1V/Pa	± ½ dB

Notes: ¹ Vented (gauge/relative) or Absolute Pressure References 1 or 3. Temperatures expressed in °F for PSI Ranges and °C for BAR and dB SPL Ranges. ² Frequency Response within ±½dB to 5KHz, ±5dB to >20KHz.

EXCITATION:	10VDC
IMPEDANCE IN:	1000Ω min. typ.
IMPEDANCE OUT:	1200Ω nom. typ. (800Ω min.)
THERMAL SENSITIVITY SHIFT (TSS):	Pressure Sensors: ±4%/50°C (±4%/100°F) Microphones: ±½ dB/50°C (±½ dB/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) Option Z2: 0°C to 60°C (32°F to 140°F)
ZERO OFFSET AT 21°C (70°F):	Pressure Sensors: ±10 mV typ. Microphones: ±25 mV typ.
PRESSURE REFERENCES:	1 = Vented (gauge/relative) 3 = Absolute (Zero offset to 0 pressure absolute)

"Off-The-Shelf" Stocking Program

	TITLE EPE PRESSURE SENSORS Low Pressure - High Sensitivity Sensors and Microphones	Entran Devices, Inc. FAIRFIELD, NJ, USA		
		SPECIFICATION NUMBER	ISSUE	PAGE
		EPES0001U	PB0	1 of 4

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 (NOT AVAILABLE FOR EPE-N3, -N4, -V3 & -V4):	5 = 5 Wire
EXCITATION VOLTAGE:	STANDARD = 10VDC
	V00 = Replace "00" with Excitation between 1 and 10. If less than 10, Sensitivity (FSO) will decrease accordingly.
	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 -54, -57, -83, -C0, -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
REPLACEMENT OF "B" TYPE SCREEN WITH "M" SCREEN ON -54, -55, -57, -58, -83, -L2, -N2, -N4, -T2, -V2 & -V4:	M = "M" Screen
WATERPROOFING LEAD OR CABLE EXIT FOR -54, -57, -70 & -83 WITH PRESSURE REFERENCE "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 EPE:	SO-L0, -N0 & -V0=BUNA-N SO-N2 & SO-V2=Viton SO-N3=Teflon

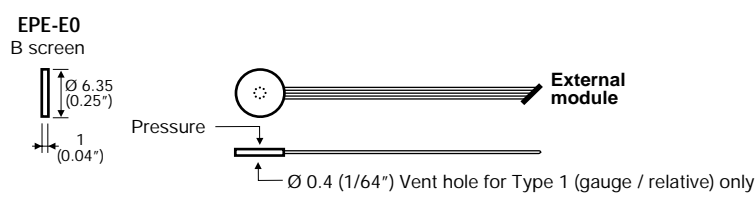
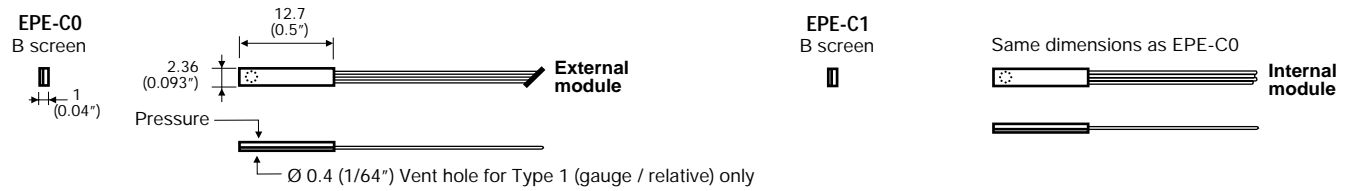
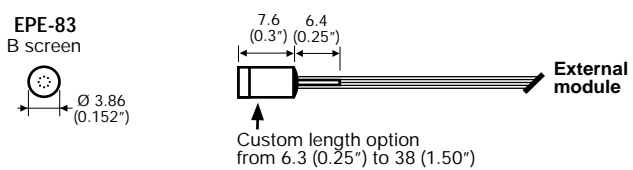
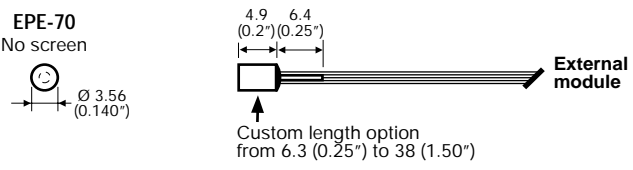
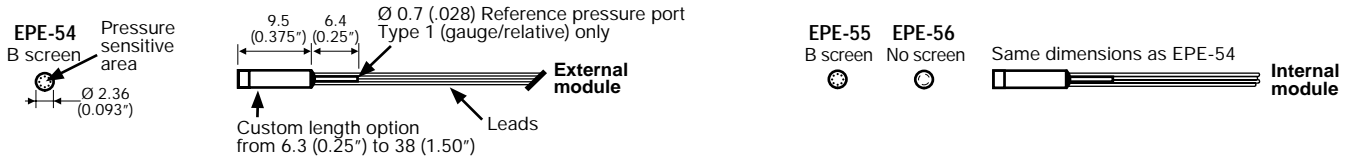
Model Number construction:

<u>EPE</u> Series	-	<u>54</u> Body	-	<u>1</u> Reference	-	<u>.13</u> Range	-	<u>B</u> Units	-	<u>/R/L3M/35M/Z2</u> Options
		54 70 L2 T2		1		M = 100 to		B = BAR		C, R or RS
		55 83 N1 V1		3		190 dB SPL		P = PSI		L00F or L00M
		56 C0 N2 V2						(Not used for microphone)		M
		57 C1 N3 V3								V1 thru V10 or V*
		58 E0 N4 V4								X
		59 L1 T1								Z0, Z1, Z2, Z4 or Z*
										5

"Off-The-Shelf" Stocking Program

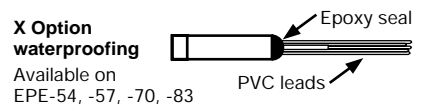
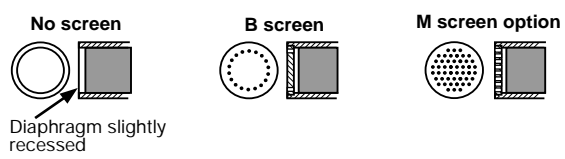
Entran®	EPE PRESSURE SENSORS	SPECIFICATION NUMBER	ISSUE	PAGE
		EPES0001U	PB0	2 of 4

specifications continued

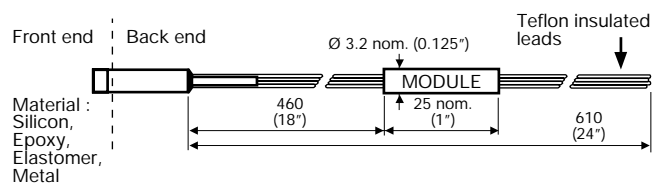


北京赛斯维测控技术有限公司
北京市朝阳区望京西路48号
金隅国际C座1002
电话：+86 010 8477 5646
传真：+86 010 5894 9029
邮箱：sales@sensorway.cn
<http://www.sensorway.cn>

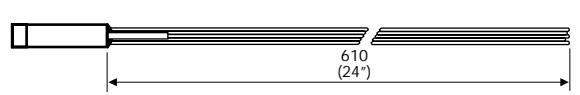
PRESSURE SENSING END STYLES



WIRING - EXTERNAL MODULE

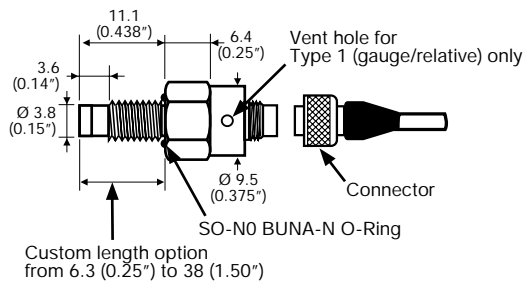
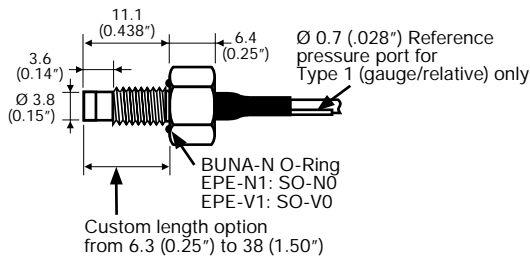
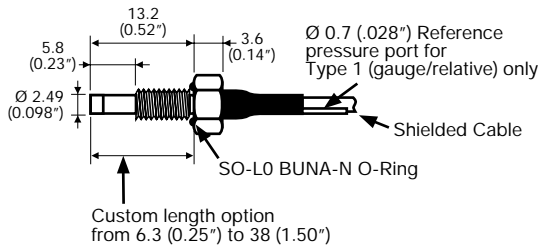


WIRING - INTERNAL MODULE

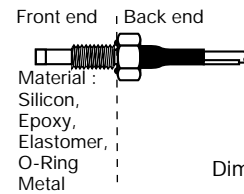
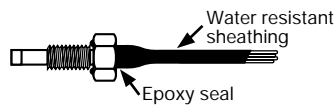


Dim.: mm (inches)

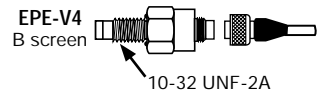
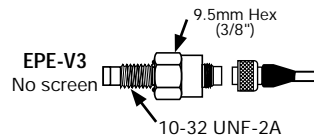
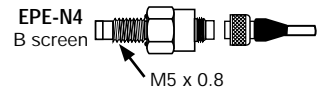
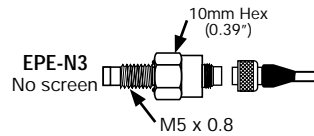
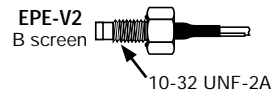
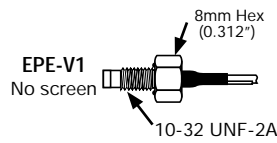
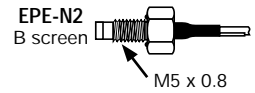
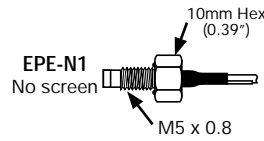
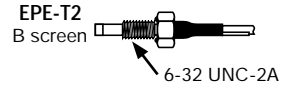
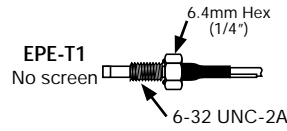
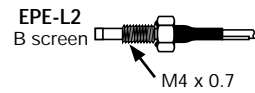
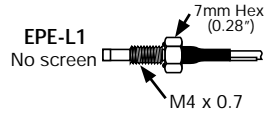
	EPE PRESSURE SENSORS	SPECIFICATION NUMBER	ISSUE	PAGE
		EPES0001U	PB0	3 of 4



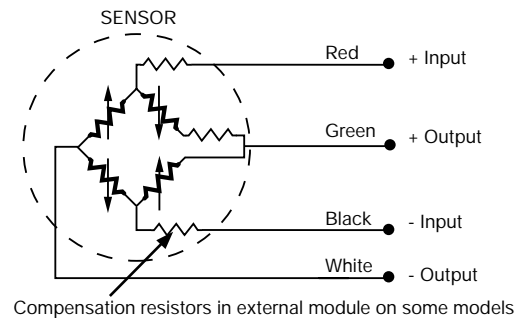
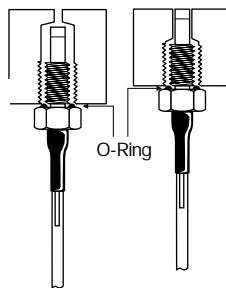
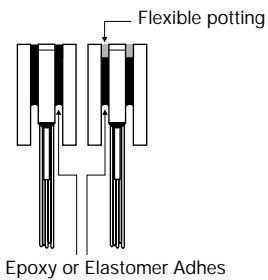
X Option waterproofing
except on
EPE-N3, EPE-N4,
EPE-V3, EPE-V4



Dim.: mm (inches)



Installation:



Entran®	EPE PRESSURE SENSORS	SPECIFICATION NUMBER	ISSUE	PAGE
		EPES0001U	PB1	4 of 4