

# Specifications

# EPRB Series

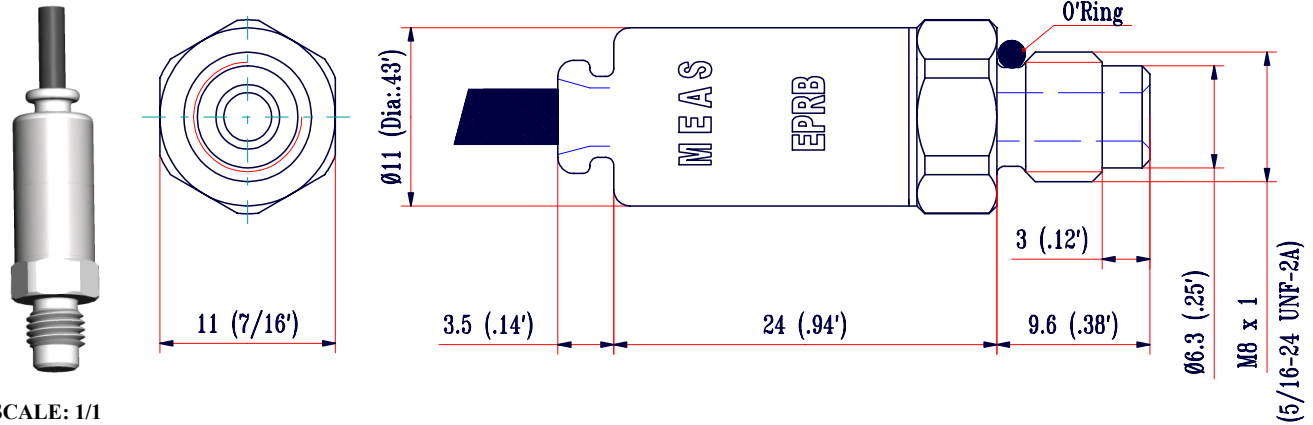
## EPRB:

The EPRB small pressure transducer with amplified output has been designed for severe environment applications

Model Number:

EPRB-x-yyyy/

x = Housing  
 yyyy = FS & B = bar  
 yyyy = FS & P = psi



SCALE: 1/1

FULL SCALE (FS)		PRESSURE LIMIT		OUTPUT "FSO"	OUTPUT at FSO
bar	psi	bar	psi	VDC	VDC
7	100	15	200	4.25 ± 0.05	4.5
15	220	25	260	4.25 ± 0.05	4.5
70	1000	105	1500	4.25 ± 0.05	4.5
150	2200	225	2600	4.25 ± 0.05	4.5
210	3000	350	5000	4.25 ± 0.05	4.5
250	3600	350	5000	4.25 ± 0.05	4.5

<b>EXCITATION :</b>	8 to 16 VDC
<b>ELECTRICAL IN :</b>	< 5 mA
<b>ELECTRICAL OUT :</b>	200 Ohms
<b>THERMAL ZERO SHIFT ( TZS)</b>	± 1 % FSO / 100°C ( ± 1% / 212°F )
<b>THERMAL SENSITIVITY SHIFT (TSS) :</b>	± 1 % / 50°C ( ± 1% / 122°F )
<b>OPERATING TEMPERATURE :</b>	from 20°C to 150°C ( 68°F to 302°F )
<b>COMPENSATED TEMPERATURE :</b>	from 20°C to 125°C ( 68°F to 257°F )
<b>ZERO OFFSET AT 21°C :</b>	250 mV ± 100 mV
<b>CNL &amp; H :</b>	± 0.25 % FSO maxi
<b>PRESSURE REFERENCE :</b>	Absolute , Sealed at 1 atmosphere
<b>ENVIRONMENTAL:</b>	IP67
	All Welded stainless steel assembly
<b>CE CONFORMANCE:</b>	EN50081-1 & EN50082-1
<b>WEIGHT (without cable):</b>	22 grams

## PRESSURE SENSOR

### High temperature

### MEAS FRANCE

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## INSTALLATION

**INSTALLATION TORQUE :** 10 m.N max (100 Inch-Pounds max)

**O'Ring supplied:** Viton Dia: 6.35 mm x 1.59 mm 90 shore

3 Wires AWG24 7 strands with Viton Raychem shrinking tube

**WIRING :** + Input : **RED** - Input : **BLACK** + Output : **GREEN**  
*SPEC55 or equivalent*

OUTPUT DESIGN is compatible to Raychem'boots (Molded parts)

## OPTIONS

**SPECIAL CABLE LENGTH :** **L00M** Replace « 00 » with total length in meters  
**L00F** Replace « 00 » with total length in feet

**EXTRA RING SEALS** \*\*\*\* O'Ring Viton 6.35 x 1.59

## PART NUMBER CODIFICATION

EPRB	- P	2	- 150	B	/
SERIES	HOUSING	REFERENCE	RANGE	UNITS	Options
	P: M8 x 1 X: 5/16-24 UNF-2A	2: Sealed at 1 atmosphere 3: Absolute zero referenced to vacuum		B: bar P: psi	

## RECOMENDED MOUNTING PORT

