



SPECIFICATIONS

- Ranges from 20 to 100 bar (300 to 1500 psi)
- Combined linearity & hysteresis < 0.25%
- Operating temperature -40°C...120°C
- M8X1, M10X1 Optional

FEATURES

- Liquid and gas media compatible with SST316L or 17-4PH
- Miniature design (body ø11 mm)
- Sturdy flush diaphragm
- Impact resistance, easy to clean
- Weather-proof rate up to IP68

APPLICATIONS

- Motorsports
- Downhole Exploration
- Hydraulic Pressures
- Transportation
- Precision Dispensing Machine

STANDARD RANGES

Range (psi)	Range (Bar)	Gage	Seal	Absolute	Compound
0...300	0...20	•			•
0...500	0...35	•			•
0...750	0...50	•			•
0...1000	0...70	•			•
0...1500	0...100	•			•

PERFORMANCE SPECIFICATIONS

Ambient Temperature: 25°C (unless otherwise specified)

PARAMETERS	MIN	TYP	MAX	UNIT	NOTES
Accuracy (combined non linearity, hysteresis, and repeatability)	-0.5	±0.25	0.5	%F.S. BFSL	@ 25°C
Zero Error	-0.5	±0.25	0.5	%F.S.BFSL	@ 25°C
Full Scale Error	-0.5	±0.25	0.5	%F.S.BFSL	@ 25°C
Isolation (Body to any Lead)	100			MΩ	@ 250VDC
Pressure Cycles	1X10 ⁷			0~FS Cycles	
Proof Pressure	2X			Rated	
Burst Pressure	3X		20k psi	Rated	
Long Term Stability (1 year)	-0.25		0.25	%F.S	
Total Error Band	-2		2	%F.S	Over compensated temp range
Compensated Temperature	-10		70	°C	
Operating Temperature	-40		120	°C	
Storage Temperature	-40		125	°C	
Load Resistance (RL)	RL > 100k			Ω	Voltage Output
Load Resistance (RL)	<Supply Voltage -9V) / 0.02A			Ω	Current Output
Current Consumption			10	mA	Voltage Output
Rise Time (10% to 90%)	<2ms (Voltage Output); <3ms (Current Output); Without Snubber				
Pressure Port Material	17-4PH+SST304 or 17-4 Integral Screw				
Shock	50g, 11msec Half Sine Shock per MIL-STD-202G, Method 213B, Condition A				
Vibration	±20g, MIL-STD-810C, Procedure 514.2-2, Curve L				

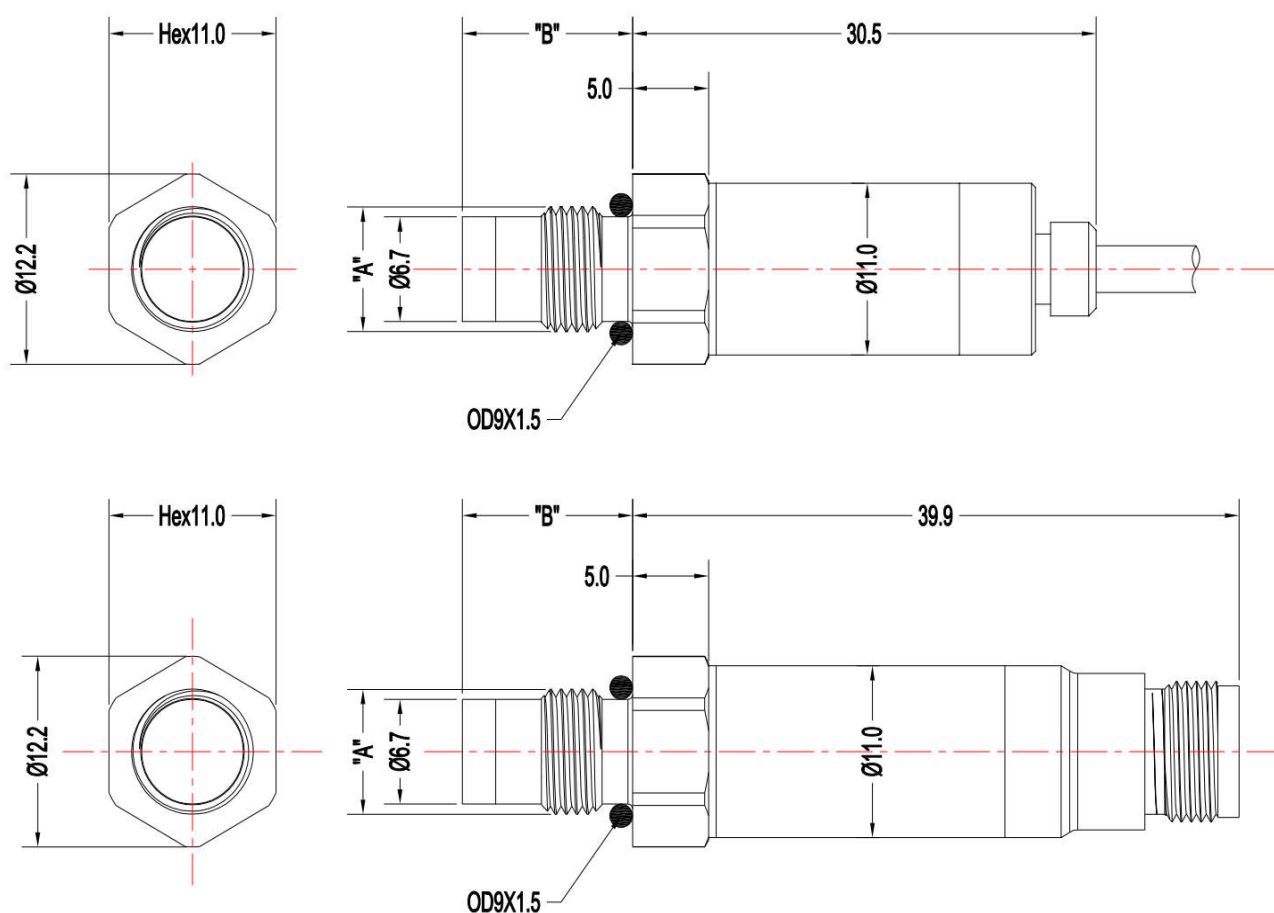
Notes: For custom configurations, please consult factory.

Pressure range under 0...70bar, customer to ensure venting through mating connector.

Compensated Temperature: The temperature range over which the product will produce an output proportional to pressure within the specified performance limits.

Operating Temperature: The temperature range over which the product will produce an output proportional to pressure but may not

DIMENSIONS [mm]



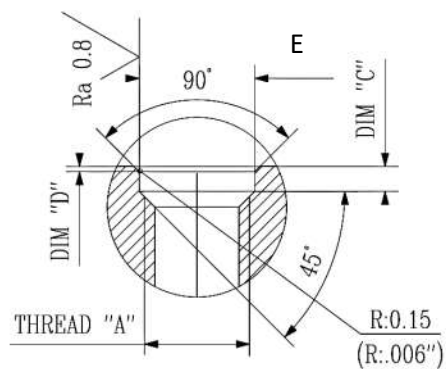
PRESSURE PORT TYPE

CODE	Thread A	Length	O-ring	Installation Torque
A	M8X1	10 (max)	Ø6.07x1.78 FKM	2.5Nm (Max)
B	M10X1	10 (max)	Ø7.65x1.63 FKM	3 Nm (Max)

INSTALLATION & CONNECTION

Unit: mm

CODE	Thread A	Dim B	Dim C	Dim D
A	M8X1	1.9	0.4	8.8
B	M10X1	2.0	0.4	10.4



OUTPUTS

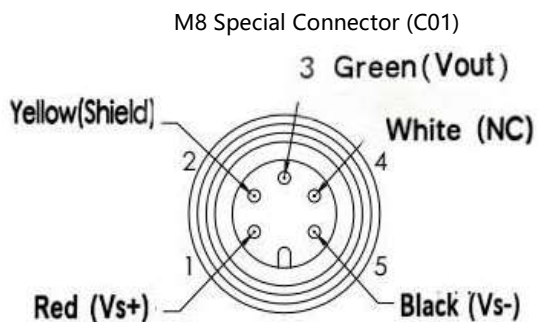
CODE	OUTPUT SIGNAL	SUPPLY VOLTAGE
1	0.5-4.5V RATIOMETRIC	5±0.25V
※ 3	4-20mA	9 - 36V
4	0-5V	8 - 36V
7	0.5 - 4.5V	7.5- 36V
X	客户定制	

※ 电流产品为分体式设计，请咨询工厂。

WIRING

Current Output Wiring					
CONNECTION	+SUPPLY	-SUPPLY	NC.PINS		Shield
C01 (M8)	1	5	3,4		2
Cable (L)	RED	BLACK	WHITE	GREEN	YELLOW

Voltage Output Wiring					
CONNECTION	+SUPPLY	+OUTPUT	COMMON	NC.PINS	Shield
C01 (M8)	1	3	5	4	2
Cable (L)	RED	GREEN	BLACK	WHITE	YELLOW



Options

Codes	Option	Description
M01	Special Cable Length (1 m)	Replace "00" with total length in meters (for example M01,M02,M03)
M02	Special Cable Length (2 m)	

Ordering Information

EPRB3 - A 3 1 - 500P - C01 M01

Pressure Port	
A	M8X1
B	M10X1

Options	
M01	Cable 1m
M02	Cable 2m

Output Signal		
Code	Output	Supply
1	0.5-4.5V RATIOMETRIC	5±0.25V
※ 3	4-20 mA	9-36 VDC
4	0-5 V	8-36 VDC
7	0.5-4.5V	7.5- 36V
X	客户定制	

Connector	
L	Cable
C01	M8 Connector

Pressure Reference	
1	Gage
2	Compound

Range	
20B	300P
35B	500P
50B	750P
70B	1KP
100B	1.5KP
X	Customer Special

Remark: ※ For 4-20mA outputs, please contact the factory