SPECIFICATIONS

- Low Cost
- 17-4PH Stainless Steel
- 0~100mV or 0~50mV Output (optional)
- Custom Output
- Wide Compensated Temperature Range (0℃-70℃)
- 4 Wire & 4 Pin Connector (optional)
- Standard output covers the full range

FEATURES

- One Piece Stainless Steel Construction
- Ranges up to 15kpsi
- Various Pressure Port Optional
- 0ºC to +70ºC Compensated Temperature
- Standard 2% Interchangeable Span
- Standard ±0.25 %NonLinearity(BFSL)
- Up to 1.0% Interchangeable Span
- Up to ±0.1 %NonLinearity(BFSL)

APPLICATIONS

- Process Control
- Fresh, Waste, Salt and Brackish Water Measurements
- Refrigeration/Compressors
- Pressure Transmitters
- Hydraulic Controls
- Pumps and Compressors
- Automotive Test Systems
- Leak Detection
- General Pressure Measurements

STANDARD RANGES

Range (psi)	Range (Bar)	Gage	Seal	Absolute	Compound	
0...100	0...7	•				●S
0...150	0...10	•				●S
0...250	0...16	•				●S
0...500	0...35	•			•	●S
0...1000	0...70	•			•	●S
0...1500	0...100	•			•	
0...2250	0...150	•			•	
0...3000	0...200	•			•	
0...5000	0...350	•			•	
0...7500	0...500	•			•	
0...10000	0...700	•			•	
0...15000	0...1000	•			•	●S
0...22000	0...1500	•			•	●S
0...36500	0...2500	•			•	●S

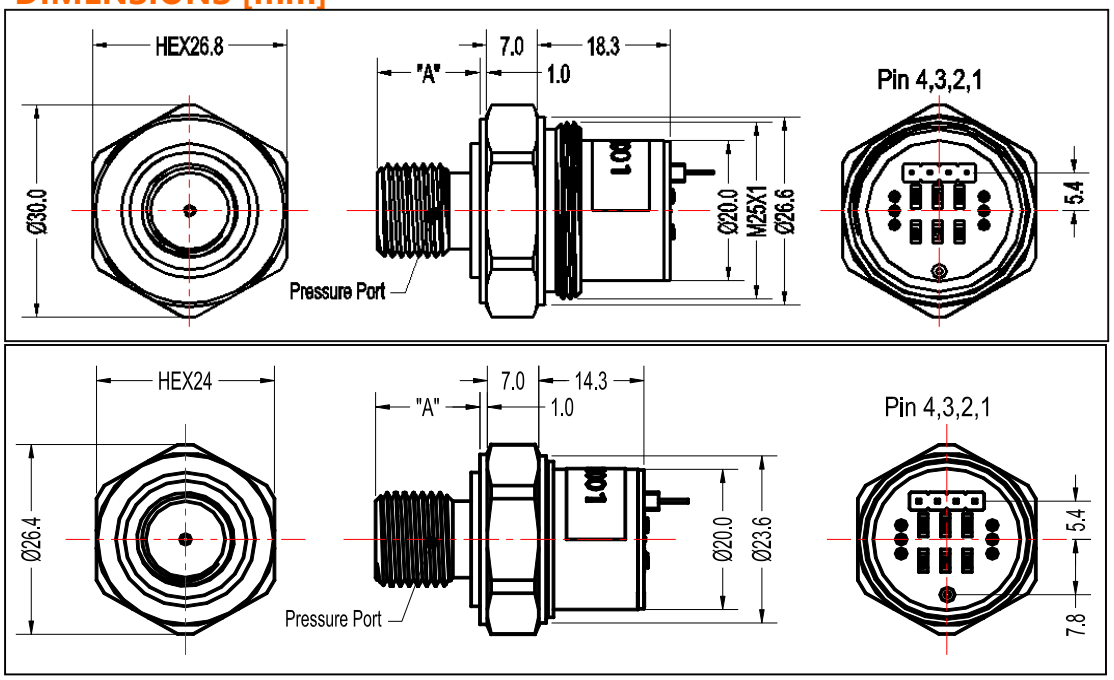
Note: Intermediate ranges available upon request. For "●S" ,plesae confirm with factory.

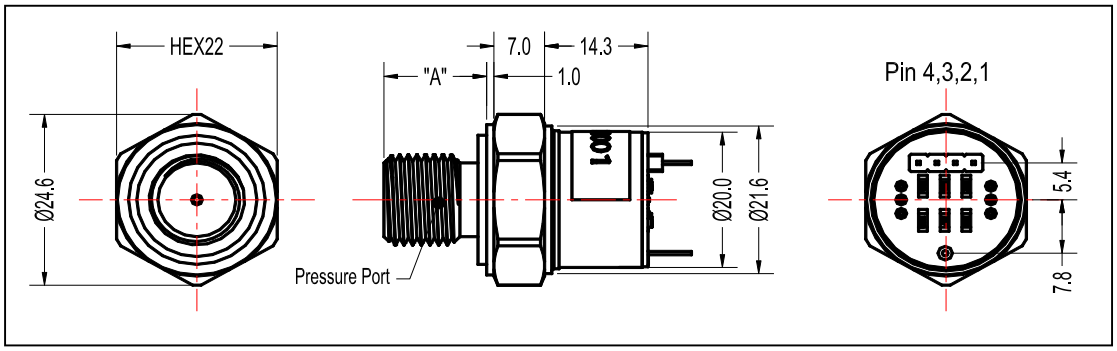
PERFORMANCE SPECIFICATIONS

Ambient Temperature: 25°C (unless otherwise specified)

PARAMETERS	MIN	TYP	MAX	UNIT	NOTES
Accuracy (combined non linearity, hysteresis, and repeatability)	-0.1	±0.1	0.1	%F.S.BFSL	I: High Accuracy Type
	-0.25	±0.25	0.25	%F.S.BFSL	II: Standard Type
Zero Offset	-1		1	%SPAN	I: High Accuracy Type
	-2		2	%SPAN	II: Standard Type
Span	98		102	mV	A: 0...100mV Output
	49		51	mV	B: 0...50mV Output
Total Error Band	-1.5	±1.0	1	%F.S	Over compensated temperature range
Isolation (Body to any Lead)	100			MΩ	
Input Resistance	4		8	KΩ	
Output Resistance	3		6	KΩ	
Pressure Cycles	$1X10^7$			0~FS Cycles	
Proof Pressure	2X		20k psi	Rated	
Burst Pressure	5X		20k psi	Rated	
Long Term Stability (year)	-0.25	±0.25	0.25	%F.S	
Compensated Temperature	0		70	°C	
Operating Temperature	-40		125	°C	
Storage Temperature	-40		125	°C	
Response Time (10% to 90%)			1	ms	
Bandwidth	DC to 1KHz (typical)				
Pressure Port Material	17-4PH+SST304 或 整体17-4PH				
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				

DIMENSIONS [mm]





WIRING

4 WIRE (CODE 1)			
Green	Black	White	Red
'+Output	'-Supply	'-Output	'+Supply

Pin2.54X4 (CODE 2)			
1	2	3	4
'+Output	'-Supply	'-Output	'+Supply

PRESSURE PORT

CODE	PRESSURE PORT TYPE		
	PORT	DIM A	DIM B
1	G1/4 JIS B2351	0.472 [12.00]	0.3 [8.0]
2	M20 x 1.5 mm ISO 6149-2	0.661 [16.8]	0.3 [8.0]
3	1/4-18 NPT	0.600 [15.24]	0.3 [8.0]
4	7/16-20UNF FEMALE SAE J513 STRAIGHT THREAD WITH INTEGRAL VALVE DEPRESSOR	0.687[17.5]	0.3 [8.0]
5	M14 x 1.5 mm ISO 6149-2	0.433 [11.0]	0.3 [8.0]
6	1/8-27 NPT	0.390 [9.91]	0.3 [8.0]
7	M12 x 1.5 mm ISO 6149-2	0.433 [11.0]	0.3 [8.0]
8	M10 x 1.0 mm ISO 6149-2	0.374 [9.5]	0.3 [8.0]
9	G1/4 DIN 3852 FORM E GASKET DIN3869-14 NBR	0.512 [13.00]	0.3 [8.0]
X	Customer Special	\	\

ORDERING INFORMATION

M300	II	2	1	A	1	9	-	500P	G
Model	**Accuracy Grade**	**Connection Type**	**Port Material**	**Output Grade**	**Label**	**Pressure Port**	-	**Pressure Range**	**Pressure Type**
M300	I = ±0.1% II = ±0.25%	1= Rubber Wire 2= Pin Header 2.54	1= 304Screw+ 17-4 Diaphgram 2= 17-4 Integral Screw X= Customer Special	A= 0…100mV B=0…50mV	0= No Label (OEM) 1= Adhesive Label 2= Laser Marking	1= G1/4 JIS B2351 2= M20 x 1.5 3= 1/4-18 NPT 4= 7/16-20UNF FEMALE SAE 5= M14 x 1.5 6= 1/8-27 NPT 7= M12 x 1.5 8= M10 x 1.0 9= G1/4 DIN 3852 A= G3/8 JIS B2351 X= Customer Special		0...500psi B= Bar M= Mpa P= PSI K= Kpa	G= Gauge C= Compound