SPECIFICATIONS

- Low Cost
- 17-4PH or 316L Stainless Steel
- 0~100mV& 0~50mV Output (optional)
- Custom Output
- Wide Compensated Temperature Range
- 4 Wire & 4 Pin Connector (optional)
- Custom material

FEATURES

- One Piece Stainless Steel Construction
- Ranges up to 15kpsi
- Various Pressure Port Optional
- 0ºC to +70ºC Compensated Temperature
- Up to ±1 %Span Total Error Band
- Standard ±2 %Span Total Error Band
- Up to 1.0% Interchangeable Span
- Standard 2% Interchangeable Span
- Up to ±0.1 %NonLinearity(BFSL)
- Standard ±0.25 %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	Sealed	Absolute	Compound	
0 to 100	0 to 7	•				
0 to 150	0 to 10	•				
0 to 250	0 to 17	•			•	
0 to 500	0 to 35	•			•	
0 to 1000	0 to 70	•			•	
0 to 1500	0 to 100	•			•	
0 to 2250	0 to 150	•			•	
0 to 3000	0 to 200	•			•	
0 to 5000	0 to 350	•			•	
0 to 7500	0 to 500	•			•	
0 to 10000	0 to 700	•			•	
0 to 15000	**0 to 1000**	•			•	●S
0 to 22000	**0 to 1500**	•			•	●S
0 to 36000	**0 to 2500**	•			•	●S

Intermediate ranges available upon request.

●S please require to factory before your ordering

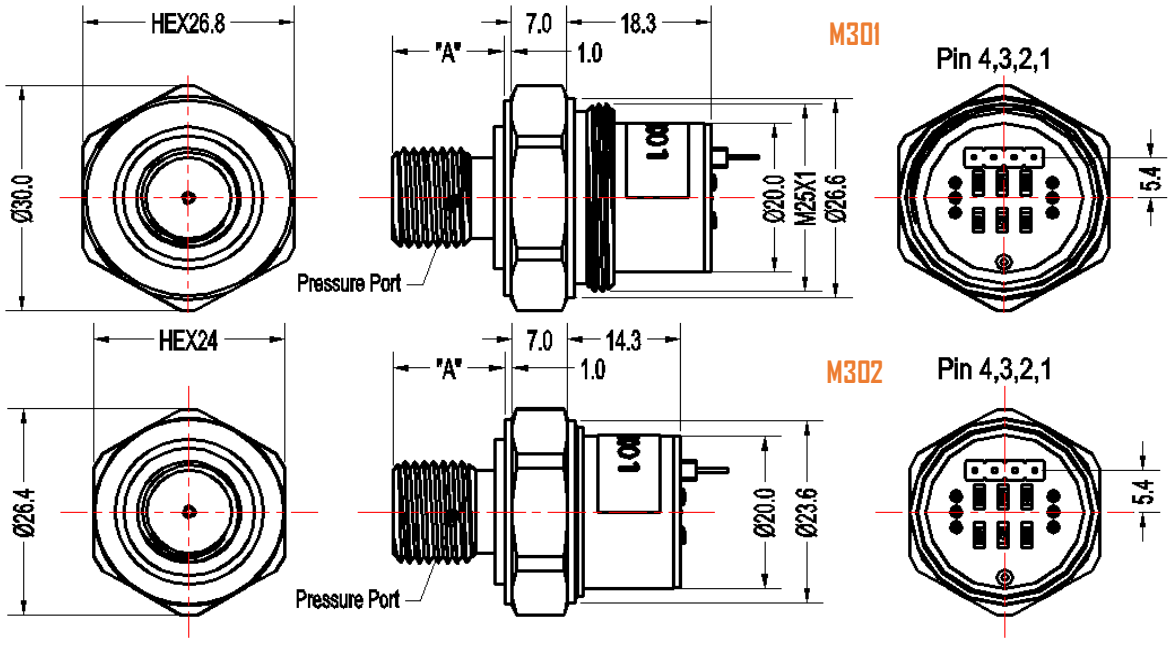
PERFORMANCE SPECIFICATIONS

Supply Voltage: 5.0V, Ambient Temperature: 25°C (unless otherwise specified)

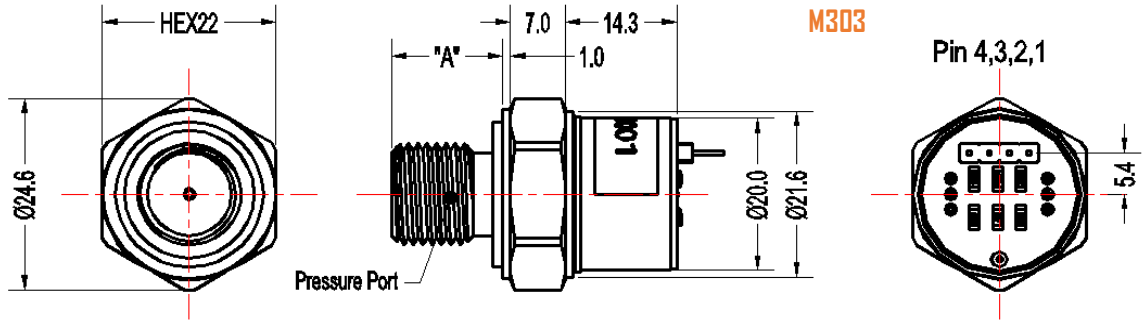
PARAMETERS	MIN	TYP	MAX	UNITS	NOTES	
Pressure Accuracy (RSS combined Non	-0.15	±0.1	0.15	%F.S. BFSL		I
Linearity, Hysteresis & Repeatability)	-0.25	±0.25	0.25	%F.S. BFSL		II
Isolation, Body to any Lead	100			MΩ	@250VDC	
Dielectric Strength			2	mA	@500VAC, 1min	
Input Resistance	4		8	KΩ		
Output Resistance	3		6	KΩ		
Pressure Cycles	1X10 ^{6}			0~FS Cycles		
Zero Offset	-1		1	%SPAN		I
	-2		2	%SPAN		II
Span model A	98	100	102	mV		
model B	49	50	51	mV		
Proof Pressure	2X		20k psi	Rated		
Burst Pressure	5X		20k psi	Rated		
Long Term Stability (1 year)	-0.25		0.25	%F.S		
Total Error Band	-1	±1.0	1	%F.S	Over compensated	I
	-2	±1.5	2		temperature range	II
Compensated Temperature	0		+70	°C		
Operating Temperature	-40		+125	°C		
Storage Temperature	-50		+150	°C		
Response Time		1		ms		
Bandwidth	DC to 1KHz (typical)					
Pressure Port Material	17-4PH or 316L Stainless Steel					
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					

For custom configurations, consult factory.

DIMENSIONS [mm]



DIMENSIONS [mm]



CONNECTION TYPE

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

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

CODE	PRESSURE PORT TYPE PORT	DIM "A"
1	G1/4 JIS B2351	0.472 [11.94]
2	M20 x 1.5 mm ISO 6149-2	0.661 [16.8]
3	1/4-18 NPT	0.600 [15.24]
4	7/16-20UNF FEMALE SAE J514 STRAIGHT THREAD WITH INTEGRAL VALVE DEPRESSOR	0.687[17.5]
5	M14 x 1.5 mm ISO 6149-2	0.433[11.0]
6	1/8-27 NPT	0.390[9.91
7	M12 x 1.5 mm ISO 6149-2	0.433[11.0]
8	M10 x 1.0 mm ISO 6149-2	0.374[9.5]
9	G1/4 DIN 3852 FORM E GASKET DIN3869-14 NBR	0.472[11.94
X	Customer Special	

ORDERING INFORMATION

M301	Ⅱ	**2**	**1**	**A**	**1**	**2**	**250P**	**G: Gage**
Model	Output Signal	Connection Type	Port Material	Grade	Label	Pressure Port	Pressure Range	Pressure Type
M301	Ⅰ: ±0.1%	1: Rubber	1: 17-4	A: 0~100mV	0: No Lable (OEM)	1: G1/4 JIS B2351	**250psi** B: Bar P: psi	G: Gage
M302	Ⅱ: ±0.25%	2: Pin Header 2.54	2: SST316L *	B: 0~50mV	1: Adhesive Labe	2:M20 x 1.5		C:Compound
M303				X: Customer Special *	2: Laser Marking	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		
						X: Customer Special		

Ordering Ssample:M303-Ⅱ21A12-250PG