

## PERFORMANCE SPECIFICATIONS

Ambient Temperature: 25°C (unless otherwise specified)

PARAMETERS	MIN	TYP	MAX	UNITS	NOTES
Load Resistance	10			kΩ	
Accuracy (combined linearity, hysteresis & repeatability)	-0.25		0.25	%Span	1
Total Error Band	-1.0		1.0	%Span	2
Compensated Temperature	-20		+85	°C	
Operating Temperature	-40		+125	°C	3
Storage Temperature	-40		+125	°C	
Insulation Resistance (500Vdc)	100			MΩ	4
Short Circuit Protected		Yes			
Output Noise @ 1kHz		10		mV	
Response Time (10% to 90%)		1.0		ms	
Long Term Stability	-0.25		0.25	%Span/Year	

### Notes

1. Best fit straight line.
2. TEB includes all accuracy errors, thermal errors, span and zero tolerances over the compensated temperature range.
3. Temperature range for product with standard cable is -20°C to +105°C.
4. Between sensor body to any pins of connector.

## ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature: 25°C (unless otherwise specified)

PARAMETERS	MIN	TYP	MAX	UNITS	NOTES
Humidity (@40°C)			93	%RH	
Pressure Overload			3X	Rated	5
Pressure Burst			4X	Rated	6
Pressure Cycle	10M			Cycles	
Mechanical Vibration		20g, 10 ~ 2000Hz MIL-STD-810C, Method 514.2, Curve L			
Mechanical Shock		Half-Sine, Peak: 50g, 11ms MIL-STD-202, Method 213B, Condition A			
Package Protection		IP67 (IEC60529)			

### Notes

5. The maximum pressure that can be applied without changing the transducer's performance or accuracy.
6. The maximum pressure that can be applied to a transducer without rupture of either the sensing element or transducer.

### Agency Approvals

RoHS: RoHS 2 (Directive 2011/65/EU)

UL 508 Certified: Industrial Control Equipment, CSA 22.2 No. 14-10

EMC Performance Criteria: Output Change < ±1.5% FSO

IEC61000-4-2 ESD: 8kV Contact / 15kV Air; Discharge Rate > 10s

IEC61000-4-3 EM Field: 100V/m, 1kHz 80% Modulation, 80 ~ 1000MHz

IEC61000-4-4 Electrical Fast Transient: Level 2, 1KV each line, Capacitance coupling

IEC61000-4-5 Surge: Level 2, 42Ω Impedance, Figure 11 (L-L 500V, L-E 1KV)

IEC61000-4-6 Conducted RF: Level 2, 3V/130dB, 150KHz ~ 80MHz, 2s Dwell, Clamp Injection

IEC61000-4-9 Pulse Magnetic Field: Level 3, 100A/m, 10 Second pulse interval

IEC55022 Emission: Class B, 30dB @ 30-230MHz, 37dB @ 230-1000MHz

Pressure Ports		
Pressure Port Options	Dim A	Tightening Torque (Nm)
2 = G1/4, BS5380, Male	.43 [11.0]	30~35
4 = 7-16-20 UNF, SAE J1926-2, Male, w/ O-Ring	.36 [9.1]	18~20
5 = 1/4-18 NPT Male	.56 [14.2]	2~3 T.F.F.T.
6 = 1/8-27 NPT Male	.38 [9.7]	2~3 T.F.F.T.
E = R1/4-19, Male	.56 [14.2]	2~3 T.F.F.T.
F = G1/4-19, BS5380, Female	.64 [16.3]	30~35
P = 7/16-20UNF Female w/ Integral Valve Depressor; 1/4 Flare Gasket SAE J513C, Copper	.64 [16.3]	15~16
Q = M10 x 1.0, ISO 6149-2, Male	.37 [9.5]	15~16
S = M12 x 1.5, ISO 6149-2, Male	.43 [11.0]	28~30
G = M14 x 1.5, ISO 6149-2, Male	.43 [11.0]	30~35
U = G1/4, DIN 3852-E, Male	.47 [12.0]	30~35

**Notes: Installation**

\*T.F.F.T.: Turns From Finger Tight

Transducers can be installed by either spanner or deep socket. Torque values provided are for reference: actual torque depends upon mating port material, surface finish, lubrication and sealing mechanism. Transducers calibration and/or zero may shift if part is over-torqued during installation. Check for a zero shift after installing.

Connector	Connector, Pin Plating	Connector, Mating
Packard Metri-Pack 150 Series	<i>powerandsignal.com</i> 0.003 – 0.005 mm Sn	Housing P/N: 12065287 Terminals P/N: 12103881
Sumitomo HV040 Series	<i>sumitomokenki.com</i> 0.003 mm Sn over 0.0005 – 0.001 mm Cu	Housing P/N: 6189-6907 Terminals P/N: 8100-3067/8
AMP Econoseal-J Mark II 070 Series	<i>te.com</i> 0.0004 mm Au over 0.0013 mm Ni	Housing P/N: 174357 Terminals P/N: 171630

**Notes: Connector**

Do not apply torque to the connector housing of transducer.

To ensure proper environmental sealing and electrical connection when using a mating connector, follow the manufacturer's installation guidelines.