

	ENGLISH	SI	
Performance			
Measurement Range(for ±5V output)	5 kpsi	34,475 kPa	
Sensitivity(± 15 %)	1.0 mV/psi	0.145 mV/kPa	[1]
Maximum Pressure	7.5 kpsi	51,713 kPa	
Resolution	100 mpsi	0.69 kPa	
Resonant Frequency	≥ 250 kHz	≥ 250 kHz	
Rise Time	≤ 2 μ sec	≤ 2 μ sec	
Low Frequency Response(-5 %)	0.5 Hz	0.5 Hz	
Non-Linearity	≤ 2 % FS	≤ 2 % FS	[2]
Environmental			
Acceleration Sensitivity	≤ 0.04 psi/g	≤ 0.028 kPa/(m/s ²)	
Temperature Range(Operating)	-100 to +250 °F	-73 to +121 °C	
Temperature Coefficient of Sensitivity	≤ 0.09 %/°F	≤ 0.162 %/°C	
Maximum Flash Temperature	3000 °F	1649 °C	
Maximum Shock	5000 g pk	49,035 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 1.0 sec	≥ 1.0 sec	
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	<100 ohm	<100 ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Physical			
Sensing Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	Stainless Steel	Stainless Steel	
Diaphragm	17-4 Stainless Steel	17-4 Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Weight	0.055 oz	1.56 gm	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount

N - Negative Output Polarity

W - Water Resistant Cable

NOTES:

[1] Due to high sensitivity, the static pressure should be applied and removed very slowly.

[2] Zero-based, least-squares, straight line method.

[3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 018C10 Miniature coaxial cable, vinyl insulation jacket, 10-ft, 5-44 coaxial plug to BNC plug (1)

Model 040A37 Hex nut driver (1)

Model 065A10 Seal ring 0.138" OD x 0.101" ID x 0.022" thk brass (3)

Model 065A38 Seal & Sleeve 0.138" OD x 0.101" ID x 0.105" thk., brass. (3)

Entered: <u>BLS</u>	Engineer: <u>RF</u>	Sales: <u>RWM</u>	Approved: <u>NJL</u>	Spec Number:
Date: <u>8-6-07</u>	Date: <u>8-3-07</u>	Date: <u>8-3-07</u>	Date: <u>8-3-07</u>	11322



*All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.*

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