

	ENGLISH	SI
Performance		
Measurement Range(for ±5V output)	100 psi	689 kPa
Useful Overrange(for ± 10V output)	200 psi	1,379 kPa
Sensitivity(± 10 mV/psi)	50 mV/psi	7.3 mV/kPa
Maximum Pressure(static)	1,000 psi	6,895 kPa
Resolution	0.002 psi	0.014 kPa
Resonant Frequency	≥ 250 kHz	≥ 250 kHz
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec
Low Frequency Response(- 5 %)	0.5 Hz	0.5 Hz
Non-Linearity	≤ 2.0 % FS	≤ 2.0 % FS
Environmental		
Acceleration Sensitivity	≤ 0.01 psi/g	≤ 0.007 kPa/(m/s ²)
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C
Maximum Flash Temperature	3,000 °F	1,650 °C
Maximum Shock	20,000 g pk	196,140 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	20 to 30 VDC	20 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
Electrical Isolation	10 ⁸ Ohm	10 ⁸ Ohm
Physical		
Sensing Geometry	Compression	Compression
Sensing Element	Quartz	Quartz
Housing Material	Stainless Steel	Stainless Steel
Diaphragm	Invar	Invar
Sealing	Welded Hermetic	Welded Hermetic
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack
Weight	0.44 oz	12.5 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
Supplied Accessory: Model 065A40 Seal ring 0.435" OD x 0.397" ID x 0.030" thk brass (3) replaces Model 065A03

N - Negative Output Polarity

S - Stainless Steel Diaphragm Diaphragm	316L Stainless Steel	316L Stainless Steel
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W - Water Resistant Cable

NOTES:

[1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.

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

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

SUPPLIED ACCESSORIES:

Model 065A03 Seal ring 0.435" OD x 0.377" ID x 0.030" thk brass (3)



Entered: ND	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
Date: 11/28/2022	Date: 11/28/2022	Date: 11/28/2022	Date: 11/28/2022	101-1050-80

Phone: 716-684-0001
 Fax: 716-684-0987
 E-Mail: info@pcb.com

3425 Walden Avenue, Depew, NY 14043

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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