
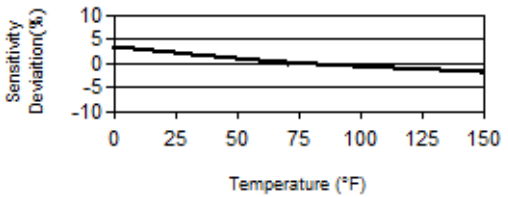



Model Number 350B41	TRIAxIAL ICP® ACCELEROMETER			Revision: NR ECN #: 50714
<b>Performance</b> Sensitivity(± 30 %) Measurement Range Frequency Range(± 1 dB) Frequency Range(+ 3 dB) Resonant Frequency Electrical Filter Corner Frequency(- 3 dB) Mechanical Filter Resonant Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity(per 10,000 g (98,100 m/s <sup>2</sup> )) Transverse Sensitivity	<b>ENGLISH</b> 0.05 mV/g ± 100,000 g pk 4 to 10,000 Hz 15,000 Hz > 50 kHz 17 kHz 35 kHz 0.5 g rms ≤ 2.5 % ≤ 7 %	<b>SI</b> 0.005 mV/(m/s <sup>2</sup> ) ± 981,000 m/s <sup>2</sup> pk 4 to 10,000 Hz 15,000 Hz > 50 kHz 17 kHz 35 kHz 4.9 m/s <sup>2</sup> rms ≤ 2.5 % ≤ 7 %	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
<b>Environmental</b> Overload Limit(Shock) Temperature Range(Operating) Temperature Range(Storage) Temperature Response Base Strain Sensitivity	± 150,000 g pk -10 to +150 °F -40 to +200 °F See Graph 0.002 g/µε	± 1,471,500 m/s <sup>2</sup> pk -23 to +66 °C -40 to +93 °C See Graph 0.02 (m/s <sup>2</sup> )/µε	[1] [1][2] [1][3] [1] [1][4] [1]	
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time(within 10% of bias) Electrical Isolation(Case)	20 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 14 VDC 0.1 sec < 1 sec > 10 <sup>8</sup> Ohm	20 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 14 VDC 0.1 sec < 1 sec > 10 <sup>8</sup> Ohm	[1]	
<b>Physical</b> Sensing Element Sensing Geometry Housing Material Sealing Size (Height x Length x Width)	Ceramic Shear Titanium Hermetic 1.02 in x 1.02 in x 1.02 in	Ceramic Shear Titanium Hermetic 26.0 mm x 26.0 mm x 26.0 mm	[1]	
Weight(without cable) Electrical Connection Position Cable Termination Cable Length Cable Type Mounting	0.95 oz Side 1/4-28 4-Pin Jack 5.0 ft 034 4-cond Shielded Through Hole	27 g Side 1/4-28 4-Pin Jack 1.52 m 034 4-cond Shielded Through Hole	<b>NOTES:</b> [1]Typical. [2]Electrical filter is a second order filter. [3]Amplitude at resonance is +9 dB. [4]Test performed on a shaker at 100Hz [5]See PCB Declaration of Conformance PS023 for details.	
	<p style="text-align: center;"><b>Typical Sensitivity Deviation vs Temperature</b></p> 			
	<b>SUPPLIED ACCESSORIES:</b> Model 034G05 4-cond. shielded cable, 5 ft (1.5M), 4-pin plug to (3) BNC plugs (1) Model 100-16040-40 Metric mounting screws (M6x1.0 x 22mm long) (1) Model 100-6774-10 STD mounting screw (1/4-28 x .87 long) (1) Model 100-8994-40 Coupling grease (1) Model ACS-14T High G shock triaxial accelerometer calibration using Hopkinson bar (1) Model ACS-22T NIST Traceable triaxial frequency response (100Hz to ±1 Db point) (1)			
Entered: LK	Engineer: LAB	Sales: RWM	Approved: NJF	Spec Number:
Date: 04/21/2020	Date: 04/21/2020	Date: 04/21/2020	Date: 04/21/2020	67762
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="184 1437 1008 1523"> <p>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.            ICP® is a registered trademark of PCB Piezotronics, Inc.</p> </div> <div data-bbox="1134 1372 1680 1437" style="text-align: center;">  <p>Phone: 716-684-0001            Fax: 716-684-0987            E-Mail: info@pcb.com</p> </div> <div data-bbox="1134 1421 1449 1437"> <p>3425 Walden Avenue, Depew, NY 14043</p> </div> </div>				