

Model Number 699B07	PORTABLE VIBRATION CALIBRATOR		Revision: NR ECN #: 49538
<b>Performance</b> Maximum Load Frequency Range(operating, 100 gram payload) Accuracy(10 Hz to 10 kHz) Accuracy (5 Hz to 10 Hz) Accuracy (Velocity (10 Hz to 1000 Hz)) Accuracy (Displacement (30 Hz to 150 Hz)) Amplitude Linearity(100 gram payload, 100 Hz) Distortion(100 gram payload, 30 Hz to 2 kHz) Maximum Amplitude(Acc 50 Hz, 10 gram payload) Maximum Amplitude(Vel 50 Hz, 10 gram payload) Maximum Amplitude(Displ 50 Hz, 10 gram payload) Maximum Amplitude(Acc 50 Hz, 500 gram payload) Maximum Amplitude(Vel 50 Hz, 500 gram payload)	<b>ENGLISH</b> 28.2 oz 5 to 10,000 Hz ± 3 % ± 5 % ± 3 % ± 3 % 1 % < 5 % 20 g pk 20 in/sec pk 150 mils pk-pk 2.5 g pk 3.5 in/s pk	<b>SI</b> 800 gm [1] 300 to 600,000 cpm ± 3 % ± 5 % ± 3 % ± 3 % 1 % [2] < 5 % [3] 196 m/s^2 pk 500 mm/s pk 3.8 mm pk-pk 24.5 m/s^2 pk 90 mm/s pk	<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>Control Interface</b> Test Operation Test Sensor In Bias Fault Indication (ICP® Sensors) External Source In (Max) Monitor Reference Out Display Units(Acceleration) Display Units(Velocity) Display Units(Displacement) Display Units(Frequency) Test Sensor Sensitivity	Manual (Closed Loop) or Semi-Automatic ICP, Voltage, Modulated Current, Chg, Diff Chg, Single-ended Chg (Ext Chg AMP Req'd) Yes 1V AC RMS 10 mV/g (nominal), Quartz Reference Accelerometer, BNC Jack Output g pk & RMS in/sec pk & RMS mils pk-pk Hz mV/EU, mA/EU, µA/EU, pC/EU	Manual (Closed Loop) or Semi-Automatic ICP, Voltage, Modulated Current, Chg, Diff Chg, Single-ended Chg (Ext Chg AMP Req'd) Yes 1V AC RMS 10 mV/g (nominal), Quartz Reference Accelerometer, BNC Jack Output m/s^2 pk & RMS mm/sec pk & RMS um pk-pk CPM mV/EU, mA/EU, µA/EU, pC/EU [5]	
<b>Environmental</b> Temperature Range(Operating) <b>Electrical</b> Power Required(Internal Battery (sealed solid gel lead acid)) Power Required(Input from Charger) Power Required(AC Power (for recharging battery)) Battery Life(100 gram payload, 100 Hz 1g pk) Battery Life(100 gram payload, 100 Hz 10g pk)	32 to 122 °F 12 VDC, 4 amp hours 18 VDC, 1A 110-240 V, 50-60 Hz 18 hours 1 hour	0 to 50 °C 12 VDC, 4 amp hours 18 VDC, 1A 110-240 V, 50-60 Hz 18 hours 1 hour [6]	<b>NOTES:</b> [1] Operating range reduced at higher payloads. Reference manual for full details. [2] Up to 10g pk [3] Up to 5g pk [4] 5 mA constant current excitation to ICP® (IEPE) sensor. [5] EU can be [g], [m/s <sup>2</sup> ], [mm/s], [in/s], [mils] or [µm] [6] As shipped from factory in new condition [7] See PCB Declaration of Conformance PS146 for details.
<b>Physical</b> Storage Points Per Record Sensor Information Export File Format USB Port Size (Width x Height x Depth) Weight Mounting Thread	Semi-Automated test routine calibration settings 30 calibration data points Model number, serial number, Mounting orientation (x, y, z), user notes CSV (comma-separated values) Loading Semi-Automating Test Routines Exporting Calibration Records in CSV Format 12 in x 8.5 in x 10 in 18 lb 1/4-28 Female	Semi-Automated test routine calibration settings 30 calibration data points Model number, serial number, Mounting orientation (x, y, z), user notes CSV (comma-separated values) Loading Semi-Automating Test Routines Exporting Calibration Records in CSV Format 30.5 cm x 22 cm x 28 cm 8.2 kg No Metric Equivalent	<b>SUPPLIED ACCESSORIES:</b> Model 081A08 Mounting Stud (10-32 to 1/4-28) (1) Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1) Model 081M165 Mounting Stud (M8 x 1 M to 1/2-28 M) (1) Model 600A25 Power Supply and Plug Adaptors (1) Model 600A34 Mounting Wrench (1) Model 600A54 Mounting Pad (M8 x 1.25 F) (1) Model 600A55 Mounting Pad (M8 x 1 F) (1) Model 600A56 Mounting Plate (3 and 4-Hole High-Temp Vibration Sensors) (1) Model 600A57 Mounting Plate (3 and 4 Hole High-Temp Vibration Sensors) (1) Model ICS-41 NIST traceable Certificate of Calibration, Metric & English Units (1) Model M081A63 Mounting stud, 1/4-28 to M8 x 1.25, BeCu with shoulder (1) Model USB DRIVE Flash Drive with Calibration Report Generation Worksheet (1)
 [7]			
Entered: LK Date: 11/15/2019	Engineer: KW Date: 11/15/2019	Sales: MC Date: 11/15/2019	Approved: BAM Date: 11/15/2019 Spec Number: 71335
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.			 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com 3425 Walden Avenue, Depew, NY 14043