


| Model Number 699A06 | PORTABLE VIBRATION CALIBRATOR | | Revision A ECN #: | | | | | | | | | | |
|---|--|--|--|----------------|---------------|------------|---------------|--------------|------------------|------------------|------------------|------------------|----------------|
| Performance Maximum Amplitude (Acc 100 Hz no payload) Maximum Amplitude (Vel 100 Hz no payload) Maximum Amplitude (Disp 100 Hz no payload) Maximum Load Frequency Range (operating, 100 gram payload) Accuracy (Acceleration (30 Hz to 2 kHz)) Accuracy (Acceleration (7 Hz to 10 kHz)) Accuracy (Velocity (30 Hz to 500 Hz)) Accuracy (Displacement (30 Hz to 150 Hz)) Amplitude Linearity Distortion (100 gram payload, 30 Hz to 2 kHz) | ENGLISH 20 g pk 15 in/sec pk 50 mils pk-pk 800 gm 420 to 600000 cpm ±3 % ±1 dB ±3 % ±3 % <1% 5 % | SI 196 m/s ² pk 380 mm/s pk 1.27 mm pk-pk 800 gm 7 to 10000 Hz ±3 % ±1 dB ±3 % ±3 % <1% 5 % | Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) Notes [1] As shipped from factory in new condition [2] Operating range reduced at higher payloads. Reference manual for full details. [3] Up to 10g pk [4] 100 gram payload, 100 Hz [5] Up to 5g pk [6] See PCB Declaration of Conformance PS022 for details. | | | | | | | | | | |
| Control Interface Display Units (Acceleration) Display Units (Velocity) Display Units (Displacement) Display Units (Frequency) | g pk & RMS, m/sec ² pk & RMS in/sec pk & mm/sec pk mils pk-pk & mm pk-pk Hz & CPM | g pk & RMS, m/sec ² pk & RMS in/sec pk & mm/sec pk mils pk-pk & mm pk- pk Hz & CPM | | | | | | | | | | | |
| Environmental Temperature Range (Operating) | 32 to 122 °F | 0 to 50 °C | | | | | | | | | | | |
| Electrical Power Required (Internal Battery (sealed solid gel lead acid)) 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) | 12 VDC, 4 amp hours 110-240 V, 50-60 Hz 18 hours 1 hours | 12 VDC, 4 amp hours 110-240 V, 50-60 Hz 18 hours 1 hours | [1] [1] | | | | | | | | | | |
| Physical Size (Height) Weight (with batteries) Mounting Thread | 8.5 in 18 lb 1/4-28 Female | 22 cm 8.2 Kg No Metric Equivalent | | | | | | | | | | | |
| <p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> | | | <table border="1"> <tr> <td>Entered: MRS</td> <td>Engineer: MRS</td> <td>Sales: MRS</td> <td>Approved: MRS</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 03/12/2012</td> <td>Date: 03/12/2012</td> <td>Date: 03/12/2012</td> <td>Date: 03/12/2012</td> <td>PS-0093</td> </tr> </table>  <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 716-684-0003 Fax: 716-684-3823 E-mail: imi@pcb.com Web site: www.imi-sensors.com</p> | Entered: MRS | Engineer: MRS | Sales: MRS | Approved: MRS | Spec Number: | Date: 03/12/2012 | Date: 03/12/2012 | Date: 03/12/2012 | Date: 03/12/2012 | PS-0093 |
| Entered: MRS | Engineer: MRS | Sales: MRS | Approved: MRS | Spec Number: | | | | | | | | | |
| Date: 03/12/2012 | Date: 03/12/2012 | Date: 03/12/2012 | Date: 03/12/2012 | PS-0093 | | | | | | | | | |

