## PORTABLE SHAKER TABLE

### GENERAL
- **Frequency Range (operating)**: 5 Hz–10 kHz, 300–600 k CPM
- **Maximum Amplitude (50 Hz, 10-gram payload)**: 20 g pk, 196 m/s² pk
- **Maximum Amplitude (50 Hz, 500-gram payload)**: 2.5 g pk, 24.5 m/s² pk
- **Maximum Payload**: 800 grams
- **Test Operation**: Manual (Closed Loop) or Semi-Automatic
- **Auto-Payload Calculation**: Controlled via Reference Accelerometer, No User Entry Required
- **Memory**: Stores Semi-Automated Test Routine
- **Non-Volatile Memory**: Storage of Calibration Settings for Accuracy Programmability
- **Up to 30 Test Points per Routine**

### ACCURACY OF READOUT
- **Acceleration (10 Hz to 10 kHz)**: ± 3% [1]
- **Velocity (10 Hz to 1000 Hz)**: ± 3% [1]
- **Displacement (30 Hz to 150 Hz)**: ± 3% [1]
- **Waveform Distortion (30 Hz to 2 kHz)**: < 1% up to 10 g pk, < 5% THD (typical) up to 5 g pk
- **Accuracy Verification Test**: Field Drift Test Procedure Provided [1]

### UNITS OF READOUT
- **Acceleration (pk and RMS)**: g, m/s²
- **Velocity (pk and RMS)**: in/s, mm/s
- **Displacement (pk to pk)**: mils, µm
- **Frequency**: Hz, CPM
- **Internal Battery (sealed solid gel lead acid)**: 12 VDC, 4 amp-hours
- **AC Power (for recharging battery)**: 110–240 VAC, 50–60 Hz
- **Input Power Rating from charger**: 18 VDC, 1 A
- **Operating Battery Life**:
  - 100 Hz 1 g pk: 18 hours
  - 100 Hz 10 g pk: 1 hour

### INPUT/OUTPUT
- **External Source In (Max)**: 1 VAC RMS
- **Monitor Reference Out**: 10 mV/g (nominal) Quartz Reference Accelerometer, BNC Jack Output
- **USB Port**: Used for Loading Semi-Automated Test Routines (Model CALROUTE) [1]

### PHYSICAL
- **Dimensions (H x W x D)**: 8.5 x 12 x 10 in, 22 x 30.5 x 26 cm
- **Weight**: 18 lb, 8.2 kg
- **Operating Temperature**: 32 °F–122 °F, 0 °C–50 °C
- **Sensor Mounting Platform**: ¾-28 Thread Size

### NOTES:
1. 100-gram payload
2. Operating range reduced at higher payloads. Reference manual for full details.
4. Calculated by measuring the % difference between the known sensitivity of a reference accelerometer as calibrated by laser primary system per ISO 16063-11 and the measured sensitivity of same reference accelerometer when tested at the same points.
5. Test is conducted independently of product firmware with calibrated voltmeter.
6. As shipped from factory in new condition.
7. Provides power for optional external power supplies.

Meets API 670 requirements for all required test points in acceleration or velocity from 10 Hz to 1000 Hz & payloads to 800 grams.

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![Maximum Acceleration vs. Frequency](image_url)

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**THE MODAL SHOP**

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All specifications are at room temperature unless otherwise specified.

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In the interest of constant product improvement, specifications may change without notice.
<table>
<thead>
<tr>
<th>SUPPLIED ACCESSORIES</th>
<th>OPTIONAL ACCESSORIES</th>
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</thead>
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<tr>
<td>Mounting Wrench Model PD-1329-01</td>
<td><strong>PROXIMITY PROBE CALIBRATION</strong></td>
</tr>
<tr>
<td>Power Supply and Plug Adapters Model 9100-PS01</td>
<td>Proximity probe adaptor kit for probes with 5 mm or 8 mm tip diameter. Includes Mitutoyo micrometer scaled in mils and 4140 steel calibration target. Model 9100-PPA01</td>
</tr>
<tr>
<td>½-28 to ¾-28 Mounting Stud Model 081B20</td>
<td>Proximity probe adaptor kit for probes with 5 mm or 8 mm tip diameter. Includes Mitutoyo micrometer scaled in microns and 4140 steel calibration target. Model 9100-MPA01</td>
</tr>
<tr>
<td>10-32 to ½-28 Mounting Stud Model 081A08</td>
<td>Proximity probe adaptor kit for probes with 11 mm tip diameter. Model 9100-PPA06</td>
</tr>
<tr>
<td>M8 x 1.25 M to ¾-28 M Mounting Stud Model M081A63</td>
<td>Proximity probe adaptor kit for testing probes mounted inside a probe holder. Includes digital micrometer scaled in mils or microns. Fine adjustment via positional micrometer. Model 9100-PPA06</td>
</tr>
<tr>
<td>M8 x 1.25 F Thru Hole Mounting Pad Model PVC-MNT01</td>
<td>MOUNTING</td>
</tr>
<tr>
<td>M8 x 1 M to ½-28 M Mounting Stud Model 081M165</td>
<td>½-20 F to ¾-28 F Mounting Pad Model 9155-MNT03</td>
</tr>
<tr>
<td>M8 x 1 F Thru Hole Mounting Pad Model PVC-MNT02</td>
<td>¼&quot; NPT F Mounting Adaptor to ½-28 M Model 9155-MNT43</td>
</tr>
<tr>
<td>Mounting Plate, 3- &amp; 4-Hole High-Temp Vibration Sensors [²] Model PVC-HTMNT02</td>
<td>POWER</td>
</tr>
<tr>
<td>USB Flash Memory Drive: Loaded with CALROUTE Microsoft Excel® Macro-Enabled Programming Workbook</td>
<td>3-socket MIL cable used with 9100-PS02 for testing GE/Bently Nevada® 3-pin MIL case mounted vibration sensors. Spade Lug terminations &amp; BNC output for signal. Model 9100-PS02-CBL01</td>
</tr>
</tbody>
</table>

**NOTES:**

[²] Mounting plates support sensors listed. Multi-hole mounting plates are convenient but not optimized for the best calibration results. Model Shop offers a full line of customized mounting pads validated in our calibration lab for precise results. Contact us for more information.

B&K 6324
Bently Nevada, 330450, 330750, 350600
CCE: 4-123, 4-125, 4-126, 4-130, 4-137, 4-138, 4-170, 4-171
Drypak: 3058C and 3235 series
Endevco: 6233C, 6223M, 6222E and 8240 Series
Matrix: 545SC, 5655S
PCE Piezotronics: 557 & EX8000 series, EX81D42 and EX819A11
Vibro-Meter CA 114, CA 114, CA 202, CA 260, CA 291, CA 303, CA 306, CE 311

[²] Available upon request

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