

## Specifications

Performance		
Frequency Range (operating) <sup>[1]</sup>	7 Hz to 10 kHz	420 to 600000 CPM
Maximum Amplitude (100 Hz, with no payload)	20 g pk	196 m/s <sup>2</sup> pk
	15 in/s pk	380 mm/s pk
	50 mils p-p	1270 μm p-p
Maximum Payload <sup>[2]</sup>	800 grams	

Accuracy	
Acceleration (7 Hz to 10 kHz)	± 3 %
Velocity (10 Hz to 1000 Hz)	± 3 %
Displacement (30 Hz to 150 Hz)	± 3 %
Amplitude Linearity (100 gram payload, 100 Hz)	< 1 % up to 10 g pk
Waveform Distortion (100 gram payload, 30 Hz to 2 kHz)	< 5 % THD (typical) up to 5 g pk

Physical		
Sensor Connectors	NA	
Display	4.3" TFT LCD with 480x272 resolution	
Controls	2 dials with touch screen	
Dimensions (H x W x D)	10.62 x 9.68 x 6.87	27 x 24.6 x 16.4 cm
Weight	15.2 lb	6.9 kg
Sensor Mounting Platform Thread Size	1/4-28	
Operating Temperature	32 °F - 122 °F	0 °C - 50 °C
Agency Requirements and Certifications	NIST Traceable Accredited NIST Certified NVLAP Laboratory Tested  EMC: EN61326-1 LVD: EN61010-1  RoHS	

## Portable Vibration Calibrator

Readout		
Acceleration	g pk m/s <sup>2</sup> pk	g RMS m/s <sup>2</sup> RMS
Velocity	mm/s pk in/s pk	mm/s RMS in/s RMS
Displacement (peak to peak)	mils p-p	μm p-p
Frequency	Hz	CPM

Power		
Internal Battery (sealed solid gel lead acid)	12 V DC	6 amp hours
AC Power (for recharging battery)	100-240 V	50-60 Hz
Operating Battery Life	100 gram payload, 100 Hz 1 g pk 10 hours 100 gram payload, 100 Hz 10 g pk 3 hours	
Charger Type	Internal / Built In	
Plug Type	Standard Wall Plug	

Accessories		
Included Accessories	<ul style="list-style-type: none"> <li>• Power cable</li> <li>• 1/4-28 Stud</li> <li>• 2-56 UNC Adapter</li> <li>• Universal Velocity Adapter Disc</li> <li>• Universal Accelerometer Adapter Disc</li> <li>• Short-handle wrench</li> <li>• 10-32 UNF Stud</li> <li>• 6-32 UNC Adapter</li> <li>• 10-32 UNF Adapter</li> <li>• USB drive:</li> </ul>	
Optional Accessories <sup>[3]</sup>	<ul style="list-style-type: none"> <li>• Proximity Probe Adapter Kit (digital or manual micrometer)</li> <li>• Chadwick-Helmuth Velocimeter Cable</li> <li>• Triaxial Accelerometer Adapter</li> </ul>	
Warranty	2 years (includes drift/accuracy)	
Tech Support	Training webinars, email support	

[1] 100 gram payload.

[2] Maximum weight recommendations:

Frequency	0-100 Grams	100-250 Grams	250-500 Grams	500-800 Grams
10-100 Hz	10 g	4 g	2 g	1 g
100-1000 Hz	7 g	4 g	2 g	1 g
1000-10000 Hz	3 g	1.5 g	0	0

[3] For comprehensive list, please consult the Product Spec Sheet or contact sales.