

	ENGLISH	SI	
Performance			
Maximum Load	28.2 oz	800 gm	[1]
Frequency Range(operating, 100 gram payload)	5 to 10,000 Hz	300 to 600,000 cpm	
Accuracy(Acceleration (10 Hz to 10 kHz))	± 3 %	± 3 %	
Accuracy ((Acceleration (5 Hz to 10 Hz))	± 5 %	± 5 %	
Accuracy (Velocity (10 Hz to 1000 Hz))	± 3 %	± 3 %	
Accuracy (Displacement (30 Hz to 150 Hz))	± 3 %	± 3 %	
Amplitude Linearity(100 gram payload, 100 Hz)	1%	1%	[2]
Distortion(100 gram payload, 30 Hz to 2 kHz)	< 5 %	< 5 %	[3]
Maximum Amplitude(Acc 50 Hz, 10 gram payload)	20 g pk	196 m/s ² pk	
Maximum Amplitude(Vel 50 Hz, 10 gram payload)	20 in/sec pk	500 mm/s pk	
Maximum Amplitude(Displ 50 Hz, 10 gram payload)	150 mils pk-pk	3.8 mm pk-pk	
Maximum Amplitude(Acc 50 Hz, 500 gram payload)	2.5 g pk	24.5 m/s ² pk	
Maximum Amplitude(Vel 50 Hz, 500 gram payload)	3.5 in/s pk	90 mm/s pk	
Control Interface			
Test Operation	Manual (closed Loop) or Semi-Automatic	Manual (closed Loop) or Semi-Automatic	
External Source In (Max)	1V AC RMS	1V AC RMS	
Monitor Reference Out	10 mV/g (nominal), Quartz Reference Accelerometer, BNC Jack Output	10 mV/g (nominal), Quartz Reference Accelerometer, BNC Jack Output	
Display Units(Acceleration)	g pk & RMS	m/s ² pk & RMS	
Display Units(Velocity)	in/sec pk & RMS	mm/sec pk & RMS	
Display Units(Displacement)	mils pk-pk	um pk-pk	
Display Units(Frequency)	Hz	CPM	
Environmental			
Temperature Range(Operating)	32 to 122 °F	0 to 50 °C	
Electrical			
Power Required(AC Power (for recharging battery))	110-240 V, 50-60 Hz	110-240 V, 50-60 Hz	
Power Required(Internal Battery (sealed solid gel lead acid))	12 VDC, 4 amp hours	12 VDC, 4 amp hours	
Power Required(Input from Charger)	18 VDC, 1A	18 VDC, 1A	
Battery Life(100 gram payload, 100 Hz 1g pk)	18 hours	18 hours	[4]
Battery Life(100 gram payload, 100 Hz 10g pk)	1 hour	1 hour	[4]
Physical			
Storage	Semi-Automated test routine calibration settings	Semi-Automated test routine calibration settings	
Points Per Record	30 calibration data points	30 calibration data points	
USB Port	Loading Semi-Automating testing routines, provides power for external power supplies	Loading Semi-Automating testing routines, provides power for external power supplies	
Size (Width x Height x Depth)	12 in x 8.5 in x 10 in	30.5 cm x 22 cm x 28 cm	
Weight	18 lb	8.2 kg	
Mounting Thread	1/4-28 Female	No Metric Equivalent	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.


NOTES:

[1] Operating range reduced at higher payloads. Reference manual for full details.
 [2] Up to 10g pk
 [3] Up to 5g pk
 [4] As shipped from factory in new condition
 [5] See PCB Declaration of Conformance PS146 for details.

SUPPLIED ACCESSORIES:

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)

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All specifications are at room temperature unless otherwise specified.
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