

Model Number 699A06	PORTABLE VIBRATION CALIBRATOR	Revision: C ECN #: 48972
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Performance	ENGLISH	SI	
Maximum Load	800 gm	800 gm	[2]
Frequency Range(operating, 100 gram payload)	5 to 10,000 Hz	300 to 600,000 cpm	
Accuracy(10 Hz to 10 khz)	± 3 %	± 3 %	
Accuracy(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%	[3]
Distortion(100 gram payload, 30 Hz to 2 kHz)	<5 %	<5 %	[4]
Maximum Amplitude(Acc 100 Hz no payload)	20 g pk	196 m/s ² pk	
Maximum Amplitude(Vel 100 Hz no payload)	15 in/sec pk	380 mm/s pk	
Maximum Amplitude(Displ 100 Hz no payload)	50 mils pk-pk	1.27 mm pk-pk	
Control Interface			
External Source In (Max)	1V AC RMS	1V AC RMS	
Monitor Reference Out	10 mV/g (nominal), Buffered internal reference output g pk & RMS	10 mV/g (nominal), Buffered internal reference output m/s ² pk & RMS	
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(Internal Battery (sealed solid gel lead acid))	12 VDC, 4 amp hours	12 VDC, 4 amp hours	
Power Required(AC Power (for recharging battery))	110-240 V, 50-60 Hz	110-240 V, 50-60 Hz	
Battery Life(100 gram payload, 100 Hz 1g pk)	18 hours	18 hours	[1]
Battery Life(100 gram payload, 100 Hz 10g pk)	1 hour	1 hour	[1]
Physical			
Size (Depth x Height x Width)	10 in x 8.5 in x 12 in	28 cm x 22 mm x 30.5 cm	
Weight(with batteries)	18 lb	8.2 kg	
Mounting Thread	1/4-28 Female	No Metric Equivalent	

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.

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] 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] Up to 5g pk

SUPPLIED ACCESSORIES:

Model 080A118 Mounting pad 1.0" diameter 1/4-28 tapped hole (for stud mounting accelerometers) (1)
 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 600A25 Power Supply and Plug Adaptors (1)
 Model 600A34 Mounting Wrench (1)
 Model ICS-41 NIST traceable Certificate of Calibration, Metric & English Units (1)

OPTIONAL ACCESSORIES:

Model 600A30 Calibration route semi-automation & pass/fail notification. Includes USB drive. (1)
 Model 600A33 Modulated current sensors power supply and measurement: Test Sensor
 Sensitivity units of readout are mV/EU, mA/EU or uA/EU, Test Sensor Input/output Voltage, ICP or Modulated current. Includes USB to 24 VDC power supply (600A39). (1)

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