

Model Number <b>699A06</b>	<b>PORTABLE VIBRATION CALIBRATOR</b>	Revision: C ECN #: 48972
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<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	
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 <sup>2</sup> 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	
<b>Control Interface</b>			
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 <sup>2</sup> pk & RMS	
Display Units(Acceleration)	g pk & RMS	m/s <sup>2</sup> 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	
<b>Environmental</b>			
Temperature Range(Operating)	32 to 122 °F	0 to 50 °C	
<b>Electrical</b>			
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]
<b>Physical</b>			
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)

Entered: LK	Engineer: NJF	Sales: MC	Approved: NJF	Spec Number:
Date: 12/18/2018	Date: 12/18/2018	Date: 12/18/2018	Date: 12/18/2018	<b>66698</b>



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