

Model Number
699B02

HAND HELD SHAKER

Revision: C
ECN #: 49738

	ENGLISH	SI	
Performance			
Operating Frequency(± 1 %)	159.2 Hz	159.2 Hz	
Acceleration Output(± 3 %)	1 g rms	9.81 m/s ² rms	[1]
Velocity Output	0.39 in/sec rms	9.81 mm/s rms	[2]
Displacement Output	0.39 mil rms	9.81 µm rms	[2]
Transverse Output	≤ 3 %	≤ 3 %	
Distortion(0 to 250 grams load)	7 %	7 %	[3]
Maximum Load	8.8 oz	250 gm	[4]
Automatic Switch Off Time	1.0 to 2.5 minutes	1.0 to 2.5 minutes	[5]
Calibration Cycles(250 gram load)	90 cycles	90 cycles	[6]
Environmental			
Temperature Range(Operating)	15 to 130 °F	-10 to 55 °C	
Electrical			
Ramp-Up time	≤ 3 sec	≤ 3 sec	[7]
Power Required(Standard)	Internal Battery	Internal Battery	
Power Required(Alternate)	DC Power	DC Power	
Internal Battery(Quantity)	4	4	
Internal Battery (Type)	AA	AA	[8]
DC Power(± 5 %)	12 VDC	12 VDC	
DC Power	1.67 Amps	1.67 Amps	
Battery Life(250 gram load)	2.3 hours	2.3 hours	[6]
Physical			
Size - Height	7.8 in	200 mm	
Weight(with batteries)	31 oz	900 gm	[7]
Mounting Thread	1/4-28 Female	No Metric Equivalent	[9][10]
Mounting Torque(Maximum)	to 10 in-lb	to 10 in-lb	[9]
Size - Diameter	2.2 in	56 mm	

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]Unit supplied set to rms; see manual for peak selection.
- [2]Calculated values for reference only.
- [3]Typical max for range
- [4]For sensors weighing <75 grams add model 080A136 mass
- [5]Unit supplied set to auto shut off; see manual for continuous use selection.
- [6]Approximate values, based on automatic switch off time and dependent on type of batteries.
- [7]Typical.
- [8]Alkaline type recommended for longest service life.
- [9]Transducer to shaker table.
- [10]Test sensor should be hand tightened (without tools).
- [11]See PCB Declaration of Conformance PS022 for details.

SUPPLIED ACCESSORIES:

- Model M081A19 Mounting stud, 1/4-28 to M6 x 1, SS with shoulder (1)
- Model 073A15 Battery Pack (1)
- Model 080A136 Calibration Mass (1)
- Model 081A08 Mounting Stud (10-32 to 1/4-28) (1)
- Model 081A40 Mounting Stud (2)

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All specifications are at room temperature unless otherwise specified.
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