

Model Number 394C06	HAND HELD SHAKER	Revision: K ECN #: 48673
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Operating Frequency(± 1 %)	159.2 Hz	159.2 Hz	
Acceleration Output(± 3 %)	1.00 g rms	9.81 m/s ² rms	[6]
Velocity Output	0.39 in/sec rms	9.81 mm/s rms	[7]
Displacement Output	0.39 mil rms	9.81 μm rms	[7]
Transverse Output	≤ 3 %	≤ 3 %	
Distortion(0 to 99 grams load)	≤ 2 %	≤ 2 %	
Distortion(100 to 149 grams load)	≤ 5 %	≤ 5 %	
Distortion(150 to 210 grams load)	≤ 9 %	≤ 9 %	
Maximum Load	7.4 oz	210 gm	[8]
Automatic Switch Off Time	1.0 to 2.5 minutes	1.0 to 2.5 minutes	[9]
Calibration Cycles(2 gram load)	320 cycles	320 cycles	[5]
Calibration Cycles(25 gram load)	600 cycles	600 cycles	[5]
Calibration Cycles(50 gram load)	1600 cycles	1600 cycles	[5]
Calibration Cycles(100 gram load)	400 cycles	400 cycles	[5]
Calibration Cycles(150 gram load)	160 cycles	160 cycles	[5]
Calibration Cycles(210 gram load)	80 cycles	80 cycles	[5]
Environmental			
Temperature Range(Operating)	+15 to +130 °F	-10 to +55 °C	
Electrical			
Ramp-Up time	≤ 3 sec	≤ 3 sec	[1]
Internal Battery(Quantity)	4	4	
Internal Battery(Type)	AA	AA	[2]
DC Power(± 5 %)	12 VDC	12 VDC	[3]
DC Power	1.67 Amps	1.67 Amps	[4][3]
Battery Life(2 gram load)	8 hours	8 hours	[5]
Battery Life(25 gram load)	15 hours	15 hours	[5]
Battery Life(50 gram load)	40 hours	40 hours	[5]
Battery Life(100 gram load)	10 hours	10 hours	[5]
Battery Life(150 gram load)	4 hours	4 hours	[5]
Battery Life(210 gram load)	2 hours	2 hours	[5]
Physical			
Size (Diameter x Height)	2.2 in x 7.8 in	56 mm x 200 mm	
Weight(with batteries)	31 oz	900 gm	[1]
Mounting Thread	10-32 Female	10-32 Female	[10][11]
Mounting Torque(Maximum)	10 in-lb	112 N-cm	[11]

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.		
M - Metric Mount		
Acceleration Output(± 3 %)	1.02 g rms	10.0 m/s ² rms

- NOTES:**
- [1] Typical.
 - [2] Alkaline type recommended for longest service life.
 - [3] This specification for external DC power supply (optional).
 - [4] Maximum.
 - [5] Approximate values, based on automatic switch off time and dependent on type of batteries.
 - [6] Unit supplied set to rms; see manual for peak selection.
 - [7] Calculated values for reference only.
 - [8] Maximum load includes sensor, connector and cabling.
 - [9] Unit supplied set to auto shut off; see manual for continuous use selection.
 - [10] Test sensor should be hand tightened (without tools).
 - [11] Transducer to shaker table.
 - [12] See PCB Declaration of Conformance PS022 for details.

- SUPPLIED ACCESSORIES:**
- Model 073A15 Battery Pack (1)
 - Model 080A109 Petro Wax (1)
 - Model 080A178 Adhesive Mounting Base with 1/2" hex 10-32 Integral Stud (1)
 - Model 080A84 Mounting Base (5-40 to 10-32) (1)
 - Model 080A85 Mounting Base (M3 X 0.5 to 10-32) (1)
 - Model 081A08 Mounting Stud (10-32 to 1/4-28) (1)
 - Model 081B05 Mounting Stud (10-32 to 10-32) (2)
 - Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)
 - Model M081B23 Metric mounting stud, 10-32 to M5 x 0.80 long (1)
- OPTIONAL ACCESSORIES:**
- Model 073A16 DC switching power supply (for Model 394C06) (1)
 - Model 080A150 Mounting Base (1/4-28) (1)
 - Model 080B44 3-Pin Mounting Adapter (1)

Entered: LK	Engineer: CPH	Sales: KK	Approved: DY	Spec Number:
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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.
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