Model Number 394C06		HAND-HELD SHAKER				
Performance		ENGLISH	SI		Option	
Operating Frequ	ency (±1 %)	159.2 Hz	159.2 Hz		for sta	
Acceleration Out	put (±3 %)	1.00 g rms	9.81 m/s <sup>2</sup> rms	[6]	M - N	
Velocity Output		0.39 in/sec rms	9.81 mm/s rms	[7]	Acc	
Displacement Ou	utput	0.39 mil rms	9.81 µm rms	[7]	Note	
Transverse Outp	ut	≤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	n Off Time	1.0 to 2.5 minutes	1.0 to 2.5 minutes	[9]		
Calibration Cycle	es (2 gram load)	320 cycles	320 cycles	[5]		
Calibration Cycle	es (25 gram load)	600 cycles	600 cycles	[5]		
Calibration Cycle	es (50 gram load)	1600 cycles	1600 cycles	[5]		
Calibration Cycle	es (100 gram load)	400 cycles	400 cycles	[5]		
Calibration Cycle	es (150 gram load)	160 cycles	160 cycles	[5]		
Calibration Cycle	es (210 gram load)	80 cycles	80 cycles	[5]		
Environmental					041	
	nge (Operating)	+15 to +130 °F	-10 to +55 °C		<b>Opti</b> 073 <i>P</i>	
Electrical					073A	
Ramp-Up time		≤3 sec	≤3 sec	[1]	080F	
Internal Battery		4	4		UOUL	
Internal Battery	(Type)	AA	AA	[2]	Sup	
DC Power		10 VDC	10 VDC	[3]	070	
DC Power		2.4 amps	2.4 amps	[4][3]	080	
Battery Life (2 g		8 hours	8 hours	[5]	080	
Battery Life (25		15 hours	15 hours	[5]	080	
Battery Life (50		40 hours	40 hours	[5]	081 <i>A</i>	
Battery Life (10		10 hours	10 hours	[5]	081E	
Battery Life (15		4 hours	4 hours	[5]	M08	
Battery Life (21 Physical	o gram ioad)	2 hours	2 hours	[5]	M08	
Size (Diameter x	Hoight)	2.2 in x 7.8 in	56 mm x 200 mm			
Weight (with ba		2.2 III x 7.6 III 31 oz	900 gm	[1]		
Mounting Thread		10-32 Female	10-32 Female	[1] [10][1:	11	
Mounting Torque		10-32 Female	112 N-cm	[11]	. 1	
woulding rolque	(Waxiiilaiii)	10 111-10	11214-0111	נייו		

NEK		ECN #: 40107
	Optional Versions (Optional versions have identical specific	cations and accessories as listed
	for standard model except where noted below. More than or	ne option maybe used.)

Revision H

M - Metric Mount

Acceleration Output (±3 %) 1.02 g rms 10.0 m/s<sup>2</sup> 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.

## **Optional Accessories**

073A16 (1)

080A150 Mounting Base (1/4-28) (1) 080B44 3-Pin Mounting Adapter (1)

## **Supplied Accessories**

073A15 Battery Pack (1) 080A109 Petro Wax (1)

080A84 Mounting Base (5-40 to 10-32) (1) 080A85 Mounting Base (M3 X 0.5 to 10-32) (1) 081A08 Mounting Stud (10-32 to 1/4-28) (1)

081B05 Mounting Stud (10-32 to 10-32) (2)

M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

M081B23 Metric mounting stud, 10-32 to M5 x 0.80 long (1)

Model Number

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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Entered: AP	Engineer: AJP	Sales: WDC	Approved: JWH	Spec Number:
Date:	Date:	Date:	Date:	1345
01/28/2013	01/28/2013	01/28/2013	01/28/2013	



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