

Portable 1g Handheld Shaker

*Conveniently Verifies Accelerometer
and Vibration System Performance*

- **Features Switchable 1 g RMS or 1 g Peak Output**
- **Drives Accelerometers Weighing up to 210 grams**
- **Operates at 159.2 Hz**
- **Powered by Battery; Adaptable to AC**
- **CE Compliant**



Model 394C06 is a small, self-contained Handheld Shaker designed for the rapid checking of accelerometers, monitoring systems, and recording systems. It provides a known, controlled, selectable RMS or peak vibration for verification of accelerometers weighing up to 210 grams. Model 394C06 provides up to 320 calibration cycles (based on 2 gram accelerometers) from its self-contained battery power source. The automatic shut-off after a 1.5-minute cycle can be overridden by a switch in the back to provide continuous operation. The internal suspension is protected from overload by mechanical stops.

Model 394C06 Handheld Shaker Specifications

Dynamic Performance

Frequency (fixed)	159.2 Hz	±1%
Acceleration ¹	1.00 g (9.81 m/s ²) rms	±3%
Transverse Amplitude	≤ 3%	
Distortion	0 to 100 grams load	≤ 2%
	100 to 210 grams load	≤ 3%

Environmental

Operating Temperature Range +15 to +130 °F (-10 to +55 °C)

Electrical

Ramp-Up Time	3 sec	
Internal Power	(4) "AA" batteries	
Automatic Switch-Off Time	1.5 minutes (±0.5 minute)	
Battery Life vs. Accel. Weight (based on alkaline batteries)	2 gram load	8 hours
	25 gram load	15 hours
	50 gram load	40 hours
	100 gram load	10 hours
	150 gram load	4 hours
	210 gram load	2 hours
Calibration Cycles	2 gram load	320 cycles
	25 gram load	600 cycles
	50 gram load	1600 cycles
	100 gram load	400 cycles
	150 gram load	160 cycles
	210 gram load	80 cycles

Mechanical

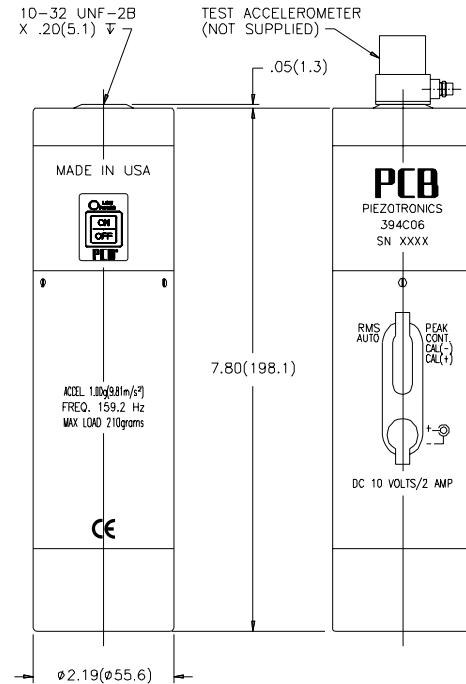
Maximum Accelerometer Weight	7.4 oz (210 grams)
Size (diameter x height)	2.2 x 7.8 in. (56 x 200 mm)
Weight (with batteries)	31 oz (900 grams)
Mounting Threads	10-32 UNF-2B thread
Maximum Mounting Torque	10 in/lb (112 N-cm) ²

NOTES:

- Unit supplied is factory-set to 1g RMS; see manual for peak selection.
- Test sensor should be hand tightened (without tools).

This product is CE-marking compliant to European Union EMC Directive, based upon conformance testing to the following European norms:

- EN 55011: 1993 Emissions
- EN 55022: 1994 Emissions
- EN 61000-3-2: 1995 Emissions
- EN 61000-3-3: 1994 Emissions
- EN 50082-1: 1992 Immunity
- EN 50082-2: 1995 Immunity



OPTIONAL VERSIONS:

M-Metric Acceleration 10.0 m/s² (1.02 g) rms ±3%

SUPPLIED ACCESSORIES:

- 2 Mounting Studs (10-32 to 10-32—Model 081B05)
- 1 Mounting Stud (10-32 to 1/4-28—Model 081A08)
- 1 Mounting Base (5-40 to 10-32—Model 080A84)
- 1 Mounting Base (M3 x 0.5 to 10-32—Model 080A85)
- 1 Mounting Stud (10-32 to M5 x 0.8—Model M081B23)
- 1 Mounting Stud (10-32 to M6 x 0.75—Model M081B05)
- 1 Petro Wax Sample (Model 080A109)
- 1 Carrying Case
- 1 Battery Pack (Model 073A15)
- 1 Storage Box

OPTIONAL ACCESSORIES:

- DC Power Supply (Model 073A16)
- 3-Pin Mounting Adaptor (Model 080A44)
- 1/4-28 Mounting Base (Model 080A150)

SVS is the Shock and Vibration Sensors division of PCB Piezotronics, Inc., specializing in quartz, ceramic, charge, ICP®, and capacitive accelerometers. The divisional focus of SVS, combined with the strength and resources of PCB, offers customers exceptional customer service, 24-hour technical support, and an unconditional guarantee.

To obtain more information on this and other shock and vibration products, contact **SVS at 1-888-684-0013**. For information on other PCB products, call 1-716-684-0001, or visit our web site at: **www.pcb.com**.



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