

Portable Handheld Shaker

Emerson's A0340SH Portable Handheld Shaker can be used to verify the output of accelerometers, velocity, and displacement sensors and confirm the entire measurement chain (sensor, cabling, and monitoring system). Battery-powered operation allows testing of online sensors in the field.

Dynamic Performance

Frequency Output	159.2 Hz (9,552 cpm)
Acceleration (rms switchable to peak)	1 g rms $\pm 3\%$ (9.81 m/s ²)
Velocity	9.81 mm/s rms $\pm 3\%$ (0.39 in/s)
Displacement	9.81 μm rms $\pm 3\%$ (0.39 mils)
Transverse Amplitude	$\leq 3\%$
Distortion (0 to 20 gram load)	<7% (hand tightened)

Environmental

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

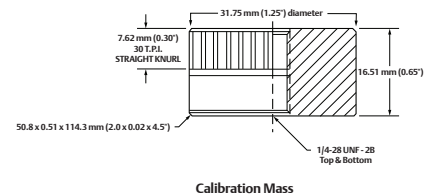
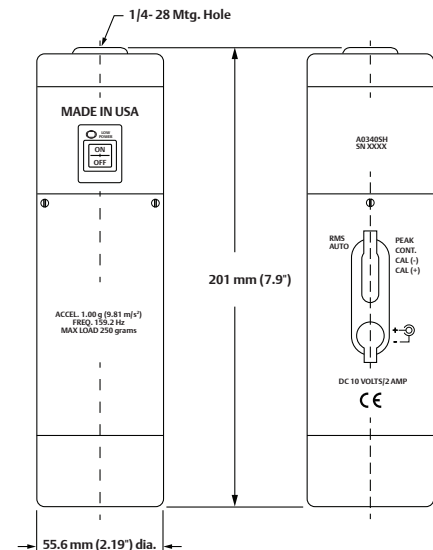
Ramp-Up Time	≤ 3 seconds
Battery Power	(4) AA batteries (included)
Battery Life/Cycles (250 gram load)	2.3 hours / 90 Cycles
External Power (optional)	10 Volts (2.4 A)
Automatic Switch Off	1 to 2.5 minutes

Mechanical

Weight	900 g (31 oz)
Sensor Mount	1/4 -28UNF-2B
Mounting Torque (Hand Tighten)	1.12 Nm (0.83 lb ft)

Included Accessories

Carrying Case	
Storage Box	
Battery Pack with (4) AA batteries	
Calibration Mass (For sensors weighting less than 75 grams (2.64 oz))	
(2) 1/4 -28UNF to 1/4 28 UNF Studs	
10-32 to 1/4 28 UNF Stud	
M6x1 to 1/4 28 UNF Stud	



**Emerson Process Management
Reliability Solutions**
835 Innovation Drive
Knoxville, TN 37932
T (865) 675-2400

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