

Designed for in-the-field calibration of low frequency accelerometers, this portable unit offers a stable and reliable vibration signal of 2.53 m/s². Due to the frequency of 40 Hz (1000 rad/s) this acceleration-level corresponds nicely to 10 mms velocity and 40µm displacement.

A built-in control loop with small reference transducer ensures the vibration level to be 2.53 m/s² within ± 3% for different transducer loads up to a weight of 200 gram. The specially designed electromagnetic shakertable keeps the transverse motion and distortion to an absolute minimum.

Hand-held vibration calibrator Type AT04

Frequency (± 1%)	40 Hz
Acceleration (± 3%)	2.53 ms ⁻² RMS
Velocity (± 3%)	10 mms ⁻¹ RMS
Displacement (± 3%)	40 µm RMS
Transverse motion	< 7%
Distortion	< 3%
Maximum load	200 grams
Ramp-up time	5 seconds
Automatic switch off	after 60 seconds
Power supply	Internal rechargeable battery
Battery life	90 calibration cycles
Dimensions	80 mm round, 190 mm long
Weight	1,500 grams with batteries
Mounting thread	M5-7H
Operating temperature	-10 to +50°C

Standard accessories:

AH0105	Mounting stud M5
AW01	Mounting wax
	Mounting base
	Power supply / charger
PLC	Carrying case

