

Designed for in-the- field calibration of vibration measurement chains, this portable unit offers a stable and reliable vibration signal of 10 m/s². Due to the frequency of 159.2 Hz(1000 rad/s) this acceleration-level corresponds nicely to 10 mms velocity and 10µm displacement. A built-in control loop with small reference transducer ensures the vibration level to be 10 m/s² within ± 3% for different transducer loads up to a weight of 150 gram. The specially designed electromagnetic shakertable keeps the transverse motion and distortion to an absolute minimum.

Hand-held vibration calibrator Type AT01

Frequency (± 0.5%)	159.15 Hz
Acceleration (± 3%)	10 ms ⁻² RMS
Velocity (± 3%)	10 mms ⁻¹ RMS
Displacement (± 3%)	10 µm RMS
Transverse motion	< 5%
Distortion	< 3%
Maximum load	160 grams
Ramp-up time	5 seconds
Automatic switch off	after 60 seconds
Power supply	internal batteries, 2x 9 Volt
Battery life	120 calibration cycles
Dimensions	58 mm round, 180 mm long
Weight	950 grams with batteries
Mounting thread	M8-7H
Max. mounting torque	110 Ncm
Operating temperature	-10 to +50°C

Standard accessories:

AD0305	Threaded insert M8 to M5
AD0310	Threaded insert M8 to 10-32 UNF
AD0303	Threaded insert M8 to M3
AH0806	Mounting stud M8 to M6
AH0805	Mounting stud M8 to M5
AH0810	Mounting stud M8 to 10-32 UNF
AD01	Mounting base for wax mounting
AS01	Soft bag
PLC	Carrying case

Optional accessories:

AW01	Mounting wax
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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

