

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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