



CA-10

Vibration Calibrator

TEAC CA-10

The CA-10 directly calibrates accelerometers, on site piezo-electric accelerometers are widely used to analyze vibrations and diagnose the performance of rotating machinery. Checking the sensitivity of accelerometers after they have been used under harsh conditions or for a long time has usually been left to the manufacturers because of the expensive calibration equipment required. The CA-10 integrated the exciter, amplifier and display in a single unit. All you have to do is attach the sensor, for a speedy calibration of the sensor's sensitivity. You will now be able to gather reliable data with confidence, any time that you need to.

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TECHNICAL DATA:

Calibration range (typical)	
"Normal" accelerometers:	0 to 19.99pC/m/s ²
Accelerators with built-in "pre-amp.."	0 to 19.99 mV/m/s ²
Calibratable sensor weight	Approx. 130 gm or less
Calibration accuracy	(3% +2digit) (23 5)
Exciter vibration acceleration	4.9 m/S ² 3% (23 5)
Exciter vibration frequency	159.2 Hz 2%
Sensor attachment	M6 female, depth of 6.5 mm
Usable/Storage temperature range	±0 to +50 °C
Batteries	4 AA batteries
Power consumption	120mA MAX.
Battery life in continuous use:	
approx. 8 hours, for approx. 1,500 calibrations	
(sensor weight: 40gm, single calibration time: approx. 30 sec.)	
Power supply for accelerometer:	
DC 24 V 2 mA Constant current supply	
Current values may differ from those specified	
Dimensions	120 (W) x 140(D) x 50(H) mm
Weight	Approx. 1 kg (Including batteries)
Accessories Included:	Cable LN-023 0.5m Miniature-BNC 1
Conversion studs:	
M6-M4, M6-10-32, M6-flat, M6 standard stud (one each)	
Packing box / Instruction manual	1