


ENVIRONMENTAL TESTERS

SOUND LEVEL METER

MODEL CA832

Designed to assess sound ambiances or nuisances in accordance with international safety and quality standards

SPECIFICATIONS

MODEL	CA832
MEASUREMENTS	
Measurement Range	(37 to 80) dB (50 to 100) dB (80 to 130) dB
Measurement Rate	2.5 times per s
Dynamic Range	50 db
Frequency Range	(31.5 to 8000) Hz
Accuracy	± 1.5 dB (ref. 94 dB @ 1 kHz)
Resolution	0.1 dB
Precision	± 2.0 dB
Display	2000-count
Sensor Type	0.5 in (13 mm) electric (pre-polarized) condenser microphone True RMS measurement with independent frequency weighting
Applicable Standard	IEC 651 Type 2 / ANSI S 1.4 Type 2 / JIS C 1502
Auxiliary Output	DC output: 10 mV/dB – 50 Ω AC output: 1.0 Vrms – 600 Ω
Frequency Weighting	Curves A and C
Time Weighting	S (slow) - 550 ms and F (fast) - 55 ms
GENERAL	
Display	3½ digit liquid crystal display (LCD), 2000-count
Operating Temperature	(32 to 122) °F (0 to 50) °C, 80 % RH without condensation
Storage Temperature	(-4 to 140) °F (-20 to 60) °C, (0 to 80) % RH without battery
Power Supply	(1) 9 V Alkaline battery (included)
Low Battery Indication	 is displayed when battery voltage is low
Dimensions	(9.33 x 2.38 x 1.5) in (237 x 60 x 38) mm
Weight	8.11 oz (230 g) including battery

Consult factory for NIST Calibration prices

PRODUCT INCLUDES

Shockproof holster, protective foam microphone cap, screwdriver, male jack connector, assembly screw for camera type tripod, 9 V battery and user manual.



Tripod mounting screw allows for mounting on a standard tripod stand. (Tripod not included)



FEATURES

- Easy one-hand operation
- Measures sound according to the sensitivity of the human ear
- Max function
- Three measurement ranges from (37 to 130) dB
- Accuracy ± 1.5 dB (ref. 94 dB @ 1 kHz)
- Two time weighting curves:
S (slow) - 550 ms and F (fast) – 55 ms
- Two frequency weighting curves: A and C
- Auxiliary output for recording
- Tripod mountable
- 2000-count backlit LCD
- Lightweight and compact
- Includes rugged, shockproof, protective and dirt resistant gray cover

APPLICATIONS

- Factories
- Schools and libraries
- Airports
- Office environments and studios
- Auditoriums
- Hospitals
- Art Galleries

CATALOG NO.	DESCRIPTION
2121.23	Sound Level Meter Model CA832