

Sound Level Meter Model CA832



The Sound Level Meter Model CA832 is designed to assess sound ambiances or annoyances in accordance with international safety and quality standards. It complies with standard CEI 651.

The Model CA832 is a portable, compact instrument with a 2000-count display. It is designed for simple, one-hand operation and may be fitted on a tripod for long duration measurements. It features two weighting curves A and C for measurement integrating the sensitivity of the human ear according to sound frequency. Curve A is the general-purpose curve in an industrial environment, and C is more suited in presence of low frequency sounds. Also, mode “F” (fast response time) corresponds to the response time of the ear. Mode “S” (slow response time) will be used to obtain a uniform reading when the sound signal level shows fluctuations.

Features

- Easy one-hand operation
- Measures sound according to the sensitivity of the human ear
- MAX function
- Three measurement ranges from 35 to 130dB
- Accuracy ± 1.5 dB
- Two time weighting curves:
S (slow) – 550ms and
F (fast) – 55ms
- Two frequency weighting curves:
A and C
- Auxiliary output for recording
- Tripod mountable
- 2000-count backlit LCD
- Lightweight and compact
- Includes rugged, shockproof, protective, dirt resistant holster

Applications

- Factories
- Schools and Libraries
- Airports
- Office environments
- Studios
- Auditoriums
- Hospitals

Specifications

MODEL	CA832
MEASUREMENTS	
Measurement Range	35 to 80dB 50 to 100dB 80 to 130dB
Measurement Rate	2.5 times per second
Dynamic Range	50dB
Frequency Range	31.5 to 8000Hz
Accuracy	±1.5dB
Resolution	0.1dB
Precision	±2.0dB
Display	2000-count
Sensor Type	0.5" electric (prepolarized) 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: 10mV/dB – 100Ω AC output: 1.0Vrms – 600Ω
Frequency Weighting	Curves A and C
Time Weighting	S (slow) and F (fast)
MECHANICAL	
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 Source	9V Alkaline battery
Low Battery Indication	[- +] is displayed when battery voltage is low
Dimensions	9.33 x 2.38 x 1.5" (237 x 60.5 x 38mm)
Weight	Approx. 8.11 oz (230g) including battery



Measure sound levels in office environments.

Construction



1. Microphone
2. Low battery indicator
3. RANGE selector
4. Backlight and A or C frequency weighting selector
5. Power/mode selector
6. Auxiliary output
7. 3½ digit display
8. MAX button
9. Protective cap for calibration screw



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



Tripod mounting screw, auxiliary output plug and calibration screwdriver included

ORDERING INFORMATION

CATALOG NO.

Sound Level Meter Model CA832 Cat. #2121.23

Includes 9V Alkaline battery, auxiliary output plug, tripod mounting screw nut, calibration screwdriver, rugged, shockproof, protective, dirt resistant gray holster and user manual

Contact Us

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