

# ENVIRONMENTAL TESTERS

## SOUND LEVEL METER



### MODEL CA832

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



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

### 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

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

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*)



CAT. #	DESCRIPTION
2121.23	Sound Level Meter Model CA832