CA111/CA114/CA115 is small sound source for calibrating measurement microphones, sound level meters, and other sound measurement equipments. The calibrator can be used on 1/2-inch and 1/4-inch microphones with adaptor.

CA111 conforms to IEC 60942:2003 Class 1, ANSI S1.40-1984 and GB/T 15173-1994.

CA114/115 conforms to IEC 60942:2003 Class 2 standards.



APPLICATIONS

- Calibration of measurement microphones, sound level meters, and other sound measurement equipments.
- Checking the linearity of equipments.

FEATURES

- Conforms to IEC60942:2003 Class 1/Class 2, ANSI S1.40-1984, and GB/T 15173-1994.
- 1 kHz calibration frequency for all weighting networks.
- CA111: Dual 94 & 114 dB sound pressure level outputs.
- CA114: 94 dB sound pressure level outputs.
- CA115: 114 dB sound pressure level outputs.
- Calibration accuracy ± 0.3 dB.
- Designed with highly stable level and frequency.
- CA111 for two-keypad operation and CA114/115 for one-keypad operation.
- Fits 1/2” microphones and 1/4” microphones with adaptor.
- Powered by 2×AAA battery and automatic power off to conserve battery life.

SPECIFICATIONS

Sound Calibrators		
Model	CA111	CA114/CA115
Standard	IEC60942:2003 Class 1, ANSI S1.40-1984, GB/T 15173-1994	IEC60942:2003 Class 2, ANSI S1.40-1984, GB/T 15173-1994
Sound Pressure Level	94.0 dB ±0.3 dB and 114.0 dB ±0.3 dB	94.0dB/114.0 dB ±0.3 dB
Frequency	1000Hz ±0.5%	
Microphone Diameter	According to IEC61094-4: 1/2” & 1/4”	
Harmonic Distortion	<2% Stabilization Time: <10 s	
Equivalent Free-field Level	-0.2 dB for 1/2” Microphones	
Equivalent Random Incidence Level	+0.0 dB for 1/2”, 1/4”	
Reference Conditions	Ambient Temperature: 25°C (77°F) / Ambient Pressure: 101.3 kPa / Humidity: 55% RH / Effective Load Volume: 250 mm^3	
Environmental Conditions	Temperature: -10°C-50°C (14°F -122°F) Pressure: 65 kPa to 108 kPa Humidity: 10 to 90%RH (non-condensing)	
Power Supply	Batteries: 1.5 V LR6 (AA battery) × 2 Lifetime: Typically 40 hours with alkaline batteries at 25°C (77°F)	
Dimension(mm)	48 × 70 × 70mm	
Weight	180 g, including batteries	