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 mm³ | |
| 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 | 48 × 70 × 70 mm | |
| Weight | 180 g, including batteries | |