



CRY563A

1/2" Sound Calibrator

Features

- **Key Specifications**

Calibrated Sound Pressure	94dB / 114dB
Microphone Cartridge	1/2", 1/4"
Calibration Frequency	1 kHz \pm 1%

- **Applications**

Calibration of sound level meters
Calibration of microphones and other acoustic measuring instruments

- **Standards**

IEC60942
GB/T15173 class 1

Introduction

The CRY563A 1/2-inch sound calibrator is a portable sound source with high stability, small size and low power consumption. It is suitable for sound pressure calibration of acoustic measuring instruments such as microphones, sound level meters and noise analyzers to eliminate environmental errors. The dual sound pressure levels of 94 dB and 114 dB can ensure accurate calibration in noisy environments.

Highlights

- **Use of Dual Output Levels Sound Calibrator**

The CRY563A has selectable output levels of both 94dB and 114dB to accommodate most international acoustic standards.

The sound pressure level of 94 decibels is suitable for calibration in a relatively quiet environment. The sound pressure level of 114 dB can be used in a relatively noisy environment, effectively overcoming the interference of background noise and ensuring the accuracy of calibration.

- **Compatibility**

The CRY563A 1/2" microphone calibrator is powered by batteries and is used for the calibration of 1/2" and 1/4" measurement microphone capsules.

- **Calibration**

Each CRY SOUND sound calibrator is calibrated at the factory using traceable calibration equipment. Calibration certificates are provided with each unit. CRY SOUND recommends recalibration at least once a year.

- **Quality & Warranty**

CRY SOUND sound calibrators are supported by a 1-year warranty. We will provide users with all-round after-sales guarantee services.

Technical Specifications

Specifications

Calibrated Sound Pressure	94dB / 114dB
Microphone Cartridge	1/2" (1/4" with adaptor)
Calibration Accuracy	±0.2 dB (+23°C)
Calibration Frequency	1 kHz±1%
THD	1%
Power Supply	1×6F22 (Battery)
Operating Temperature	0°C to +40°C(32 to 104 °F)
Operating Humidity	80%RH(40°C)
Weight	300g (Battery included)

Dimensions

Height	110mm (4.33")
Diameter	48mm (1.89")

Operation Demonstration

When the switch is set to 94dB, the red LED on the panel lights up, indicating that the power is on and a sound pressure of 94dB at 1000Hz is generated in the front cavity. When the switch is set to 114dB, a sound pressure of 114dB at 1000Hz is generated in the front cavity.

When calibrating with 114dB, first set the switch to the 94dB position and then switch it to 114dB. Please turn off the power promptly after the calibration is completed and set the switch to the off position.

When performing sound calibration, please insert the microphone into the front cavity and start the calibration after the reading stabilizes.

When the generated sound pressure level is no longer normal or the green LED on the panel turns red, please replace the battery promptly.

Ordering Information

Optional Accessories

Microphone Cartridges	1/2" Measurement Microphone 1/4" Measurement Microphone
Sound Level Meter	CRY2851 Sound Level Meter

Related Products

CRY563B 1"	1" sound calibrator
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