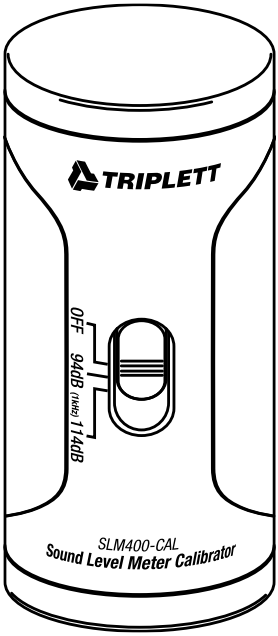
TRIPLETT
Test Equipment & Tools

USER MANUAL

SLM400-CAL

Sound Level Calibrator



Introduction

Welcome, and congratulations on your purchase of the Triplett SLM400-CAL. The SLM400-CAL Sound Level Calibrator is a compact, battery-powered device designed for the calibration and verification of sound level meters equipped with ½-inch microphones. It generates stable reference sound pressure levels of **94 dB** and **114 dB** at a nominal frequency of **1 kHz**, allowing users to quickly confirm the accuracy of their sound level meters before or after measurements. The SLM400-CAL is easy to operate, suitable for field or laboratory use, and **complies with IEC 60942 Class 2** requirements.

What's in the box:

- SLM400-CAL Sound Level Calibrator
- (1) 9V Alkaline Battery
- SLM400-CAL User Manual

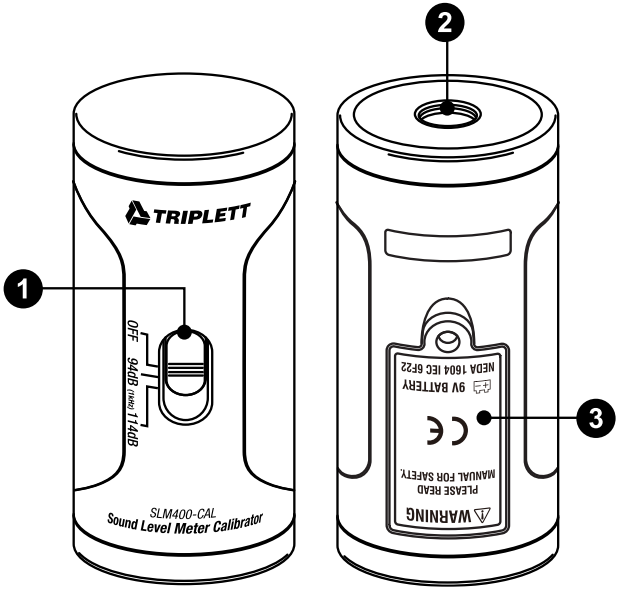
Stay updated:

For the most recent version of the user manual, always visit the official Triplett website **www.triplett.com** and search for **SLM400-CAL**.

Description

Meter Description

1. Range Switch
2. Microphone Adaptor
3. Battery Cover

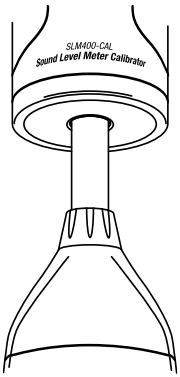


Operation

Follow the steps below to calibrate or verify a sound level meter:

- Insert the microphone of the sound level meter into the calibrator's microphone cavity. Ensure the microphone is fully seated and properly aligned.
- Slide the **Range Switch** to the desired output level:
    - **94 dB** for standard calibration checks
    - **114 dB** for high-level calibration checks

  The calibrator will begin generating the reference signal as soon as the switch is set.



- Observe the reading on the sound level meter. The value displayed should correspond to the selected output level (94 dB or 114 dB).
- If the indicated reading does not match the calibrator's output within the meter's specified tolerance, adjust the sound level meter according to the manufacturer's operating instructions.

- After calibration is complete, slide the **Range Switch** to the **OFF** position and remove the microphone from the calibrator.

Specifications

Feature	Description
Output Sound Pressure Levels	94dB and 114dB
Output Frequency	1000Hz +/-4%
Reference Conditions	Temperature 23°C (73°F), 1013mbar, 65%RH
Accuracy	+/-0.5dB
Battery	(1) 9V Battery
Low Battery Check	Output signal is disabled when battery voltage falls below the acceptable operating range
Compliance	IEC 60942 Class 2
Dimensions / Weight	4.7" x 2.0" x 1.7" (120x51x43mm) 4.50z (130g)

Warranty Statement

Triplett Test Equipment offers a two-year warranty to the original purchaser of its products. We guarantee that our products will be free from defects in workmanship and materials for two (2) years from the purchase date.

This warranty does not cover:

- Products purchased from unauthorized distributors.
- Items that have been repaired or altered by unauthorized individuals.
- Damage from misuse, abuse, misapplication, negligence, or accidents.
- Products with altered, defaced, or removed serial numbers.
- Accessories, including batteries.

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