



RK TECHNOLOGIES

We don't just sell equipment — we support your complete NABL accreditation journey.

+91 9028646172
+91 7050670655
rktechnologies99@gmail.com

RK-SC-01

Sound Level Calibrator

◆ IEC 942 Class 1 | 94 dB & 114 dB | 1000 Hz | ±0.3 dB Accuracy

Calibrates 1" & ½" Microphones | A/B/C/D Weighting Networks | LED Battery Indicator



PRODUCT OVERVIEW

The RK-SC-01 is a precision Sound Level Calibrator conforming to IEC 942 Class 1, designed for quick and accurate calibration of sound level meters and sound measuring systems. It employs solid-state integrated circuitry that delivers accurate and stable acoustic output at two reference levels — 94 dB and 114 dB — at a frequency of 1000 Hz (±0.1%). Suitable for both field and laboratory use.

The RK-SC-01 supports calibration of 1" and ½" ceramic microphones and is compatible with A, B, C and D weighting networks as well as linear measurement. An LED low-battery indicator ensures reliable operation in the field.



KEY HIGHLIGHTS

- **Standard:** IEC 942 Class 1
- **Output Sound Level:** 94 dB and 114 dB (switchable)
- **Accuracy:** ±0.3 dB (at 20°C, 760 mm Hg)
- **Frequency:** 1000 Hz ± 0.1%
- **Microphone Compatibility:** 1" and ½" ceramic microphones
- **Weighting Networks:** A / B / C / D or Linear
- **Battery Indicator:** LED Low Battery Indicator
- **Battery:** Single 9V (NEDA 1604)
- **Battery Life:** Approx. 100 hours
- **Dimensions:** 48 × 48 × 138 mm
- **Weight:** Approx. 250 g

APPLICATIONS

- Handy sound source for quick & easy calibration of sound level meters and sound measuring systems.
- Sensitivity calibration of 1" and ½" ceramic microphones.
- Compatible with A, B, C, D weighting networks and linear measurement mode.
- Suitable for field and laboratory use — portable, battery-powered design.
- Calibration of noise dosimeters and acoustic analyzers.
- Verification of sound level measurement systems in industrial environments.



RK TECHNOLOGIES

We don't just sell equipment — we support your complete NABL accreditation journey.

+91 9028646172
+91 7050670655
rktechnologies99@gmail.com

GENERAL SPECIFICATIONS

At 20°C, 760 mm Hg | IEC 942 Class 1

Parameter	Specification
Standard / Class	IEC 942 Class 1
Output Sound Level	94 dB and 114 dB (under reference conditions)
Accuracy	±0.3 dB (at 20°C, 760 mm Hg)
Output Frequency	1000 Hz ± 0.1%
Frequency Compatibility	Calibration with A / B / C / D weighting networks or linear
Microphone Size	1" (25.4 mm) and ½" (12.7 mm) ceramic microphones
Battery Indicator	LED Low Battery Indicator
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +65°C (batteries removed)
Temperature Coefficient	0 ~ 0.01 dB / °C
Altitude Effects	Approx. 0.1 dB decrease per 2000 ft increase in altitude (sea level to 12,000 ft); or per approx. 50 mm Hg decrease in atmospheric pressure
Power Supply	Single 9V transistor battery (NEDA 1604)
Battery Life	Approx. 100 hours
Dimensions	48 mm × 48 mm × 138 mm
Weight	Approx. 250 g
Housing	Cylindrical anodised aluminium body

STANDARD PACKING LIST

Item	Qty	Remarks
RK-SC-01 Sound Level Calibrator (main unit)	1 pc	
9V Battery (NEDA 1604)	1 pc	Installed
Carrying pouch / case	1 pc	
User Manual	1 pc	English

Contact RK Technologies for Pricing, Demo & Calibration Services

+91 9028646172 | +91 7050670655 | 0253 – 4034044
rktechnologies99@gmail.com | 302, Krishna Pride Apt., Nashik 422010
NABL Accredited Calibration Laboratory | ISO/IEC 17025:2017 | Cert. No. CC-4593