IEC 60942, Class 1 Compliant Sound Calibrator for 1-inch and 1/2-inch Microphones

The NC-74 is a sound calibrator conforming to IEC 60942, Class 1 requirements, suitable for calibrating high-precision sound pressure level meters. Small dimensions and light weight make the unit easy to carry and use anywhere. Nominal frequency rating is 1 kHz and sound pressure level is 94 dB. The unit can accept both 1-inch and 1/2-inch microphones. Two alkaline batteries (IEC LR6, size AA) will power the unit for over 30 hours continuous use. The NC-74 automatically compensates for atmospheric pressure fluctuations, so that manual compensation is not required.

Features
- Compliant with IEC 60942:1997, Class 1
- Allows calibration of Rion 1-inch and 1/2-inch microphones
- No need for atmospheric pressure compensation
- Frequency: 1 kHz, SPL: 94 dB
- Battery life: 30 hours or more (with 2 LR6 batteries)
- Compact dimensions and light weight: 8 × 7.4 × 4.9 cm, 200 g (including batteries)

Specifications
- Applicable standards: IEC 60942 1997 Class 1 (Electroacoustics-Sound Calibrators)
- Specified microphones:
  - 1-inch microphones: IEC 61094-1 Type LS1P
  - 1/2-inch microphones: IEC 61094-1 Type LS2aP
- Reference conditions: (Using 1/2-inch microphone adapter NC-74-002)
  - Ambient temperature: 23°C
  - Static pressure: 101.325 kPa
  - Relative humidity: 50%
- Effective load volume of a microphone: 1025 mm³ [total coupler volume 12004 mm³ (typical value)]
- Nominal sound pressure level: 94 dB (+/- 0.3dB)
- Nominal frequency: 1 kHz
- Power supply: Two IEC LR6 (size AA) alkaline batteries
- Battery life: 30 hours minimum (using two LR6 batteries, at reference conditions)
- Dimensions: approx. 80 × 74 × 49 mm
- Weight: approx. 200 g (including batteries)
- Supplied accessories:
  - Case 1
  - IEC LR6 (size AA) alkaline battery 2
  - 1/2-inch microphone adapter NC-74-002 1

Configuration of NC-74

Automatic compensation for sound pressure fluctuations caused by changes in atmospheric pressure