professional audio measurements
www.dr-jordan-design.de

NC-74

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.

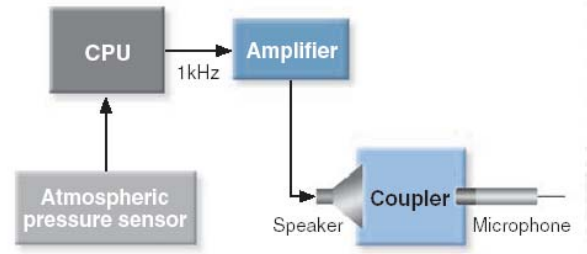
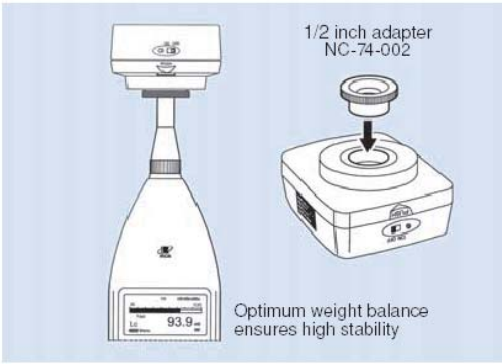
Features

- 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 UC-27, UC-25, UC-34
1/2-inch microphones:	IEC 61094-1 Type LS2aP UC-53A, UC-52, UC-26, UC-30, UC-31, UC-33P
Reference conditions:	(Using 1/2-inch microphone adapter NC-74-002)
Ambient temperature:	23ßC
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