

# Sound Calibrator

## NC-75

A blue and black square-shaped electronic device, likely a power supply or battery pack. The top surface is blue and features a large black circular connector with a central hole and a textured outer ring. The front face is black and includes a power button with a white power symbol and the word "POWER" below it. A small blue tab with the word "PUSH" is visible on the left side of the front face. The right side of the device has a series of horizontal black ridges, possibly for ventilation or grip.

- Integrated newly developed reference microphone enables feedback control that completely eliminates the need for atmospheric pressure and coupler volume correction, resulting in highly accurate and reliable calibration.
  - Effective coupler sound insulation (30 dB or higher\*) permits calibration also in relatively noisy environments.  
\*A-weighted sound level insulation performance measured with pink noise
  - Each product comes standard with a JCSS Calibration Certificate demonstrating high quality.
- Conforming with IEC 60942: 2017 class 1 and JIS C 1515: 2004  
(Also complies with IEC 60942 Version 4 currently under revision)
  - Supports calibration of RION sound level meters compliant with IEC 61672-1: 2013, JIS C 1509-1: 2017 and JIS C 1516: 2014.
  - Supports calibration of RION microphones and microphones of other manufacturers meeting the size specifications of IEC 61094-4.
  - Supports 1-inch, 1/2-inch, and 1/4-inch microphones (1/4 inch with optional adapter)

**JCSS Calibration Certificate**

**JCSS Calibration Results**

## JCSS Calibration Results

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 Certificate No. 00000000

## CALIBRATION RESULT

1. Based on previous level (with reference standard) recognized

Measured value	Desired uncertainty
0.00 dB	0.00 dB

Required uncertainty according to specification  
 Type: 0000  
 Serial number: 00000000  
 Difference from previous: 0.00 dB    Pa

2) Software internal calibration in less than 1% of confidence of approximately 95 %  
 Coverage factor k=2

Calibration result is the confidence value in further readings during calibration.

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## BE OUT OF JCRC CALIBRATION

1. Frequency

Measured value	Desired uncertainty
100.0 Hz	40-100 Hz

Working instrument used (verified external master)  
 Type: 00000000  
 Serial number: 00000000  
 JCRC Calibration Certificate No. 0000000000000000

2. Test duration

Measured value	Desired uncertainty
0.0 s	0.0 s

Working instrument used (verified duration master)  
 Type: 00000000  
 Serial number: 00000000  
 JCRC Calibration Certificate No. 0000000000

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Usage example

## How to use the adapter

### ■ 1-inch microphones

To use the sound calibrator with 1-inch diameter microphones, remove the 1/2-inch microphone adapter.



### ■ 1/2-inch microphones

To use the sound calibrator with 1/2-inch diameter microphones, the supplied 1/2-inch microphone adapter must be in place.



Make sure the 1/2-inch adapter is locked.

### ■ 1/4-inch microphones

To use the sound calibrator with 1/4-inch diameter microphones, use the supplied 1/2-inch microphone adapter together with the optional 1/4-inch adapter.



#### Specifications (under standard ambient conditions\*)

Applicable standards	IEC 60942: 2017 class1, ANSI/ASA S1.40-2006 class1, JIS C 1515: 2004 class 1, CE marking, WEEE directive, Chinese RoHS
Supported microphones	Microphones made by RION and microphones made by other manufacturers that meet the IEC 61094-4 size specifications 1-inch microphones 1/2-inch microphones (with supplied adapter) 1/4-inch microphones (with optional adapter)
Nominal sound pressure level	94 dB
Sound pressure level tolerance	Max. $\pm 0.20$ dB
Nominal frequency	1 000 Hz
Frequency tolerance	Max. $\pm 0.1\%$
THD + noise	Max. 1.0 % (22.4 Hz to 22.4 kHz)
Dimensions and weight	Approx. 42 mm (H) x 77 mm (W) x 70 mm (D), approx. 200 g
Power supply	IEC LR6 (size AA) alkaline battery x 2 IEC LR6 (size AA) nickel-hydrate rechargeable battery ("eneloop pro" supported) x 2
Battery life	50 hours or more (using two alkaline batteries, continuous use) 50 hours or more (using two nickel-hydrate rechargeable batteries [eneloop pro], continuous use)
Supplied accessories	Soft case x 1, 1/2-inch microphone adapter x 1, IEC LR6 (size AA) alkaline battery x 2, hand strap x 1, JCSS Calibration Certificate x 1

\*RION standard ambient conditions: static pressure 101.325 kPa, ambient temperature 23 °C, relative humidity 50 %

Optional accessories	1/4-inch microphone adapter NC-75-S11
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#### Strap



Securely carry the unit with the supplied hand strap

#### Soft case



Calibration can be performed with the calibrator inserted in the soft case

### PISTONPHONE NC-72A



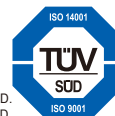
#### Specifications (under standard ambient conditions\*)

Applicable standards	IEC 60942: 2017 class LS/M, class 1/M, JIS C 1515: 2004 class LS/C, class 1/C
Nominal sound pressure level	114 dB, Sound pressure level tolerance $\pm 0.10$ dB



**JCSS**  
JCSS 0197

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