



## Appendix 4.1

# Calibration Certificates for Noise Meter and Acoustic Calibrator



## CALIBRATION CERTIFICATE

Product : SOUND CALIBRATOR  
Model : NC-75  
Serial number : 34256525  
Manufacturer : RION CO., LTD.  
Calibration item : Sound pressure level (with reference standard microphone)  
Calibration method : Measured by specified secondary standard microphone  
according to JCSS calibration procedure specified by RION.  
Ambient conditions : Temperature 23.2 °C, Relative humidity 49 %,  
Static pressure 100.2 kPa  
Calibration date : 12/2/2025 (D/M/YYYY)  
Calibration location : 3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan  
RION CO., LTD. Calibration Room

We hereby certify that the results of this calibration were as follows.

Issue date : 14/2/2025 (D/M/YYYY)

Yoshio Maruyama  
Manager  
Quality Assurance Section,  
Quality Assurance Department,  
Production Division  
RION CO., LTD.  
3-20-41 Higashimotomachi, Kokubunji,  
Tokyo 185-8533, Japan



This certificate is based on article 144 of the Measurement Law and indicates the result of calibration in accordance with measurement standards traceable to Primary Measurement Standards (National Standards) which realizes the physical units of measurement according to the International System of Units (SI).

The accreditation symbol is attestation of which the result of calibration is traceable to Primary Measurement Standards (National Standards).

The certificate shall not be reproduced except in full, without the written approval of the issuing laboratory.

The calibration laboratory who issued this calibration certificate conforms to ISO/IEC 17025:2017.

This calibration certificate was issued by the calibration laboratory accredited by IAJapan who is a signatory to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Accreditation Cooperation (APAC). This (These) calibration result(s) may be accepted internationally through ILAC/APAC MRA.

## CALIBRATION RESULT

Sound pressure level (with reference standard microphone)

Measured Value	Expanded Uncertainty *
93.99 dB	0.09 dB

Specified secondary standard microphone:

Model : 4160  
Serial number : 2973341

Reference Sound pressure :  $2 \times 10^{-5}$  Pa

\* Defines an interval estimated to have a level of confidence of approximately 95 %.  
Coverage factor  $k = 2$

Calibration result is the calibration value in ambient conditions during calibration.

## BE OUT OF JCSS CALIBRATION

### 1. Frequency

Measured Value	Measurement uncertainty ( $k = 2$ )
1000.0 Hz	$4.0 \times 10^{-4}$ Hz

Working measurement standard universal counter:

Model : 53132A  
Serial number : MY40005574  
(JCSS Calibration Certificate No. 2408008578510)

### 2. Total distortion

Measured Value
0.3 %

Working measurement standard distortion meter:

Model : VA-2230A  
Serial number : 11076061  
(A2LA Calibration Certificate No. 1504-03541)

- closing -



**RION CO., LTD.**

3-20-41 Higashimotomachi Kokubunji Tokyo 185-8533  
Phone:042(359)7888, Facsimile:042(359)7442

## **Certificate of Calibration**

**Name** : **Class 1 Sound Level Meter**  
**Model** : **NL-53**      **S/No.** : **00452008**  
**Date of Calibration** : **April, 23, 2025**

We hereby certify that the above product was tested and calibrated according to the prescribed Rion procedures, and that it fulfills specification requirements.

The measuring equipment and reference devices used for testing and calibrating this unit are managed under the Rion traceability system and are traceable according to official Japanese standards and official standards of countries belonging to the International Committee of Weights and Measures.

**RION CO., LTD.**

Manager, Quality Control Department