



## CALIBRATION CERTIFICATE

Customer name : \*\*\*\*\*CO., LTD.  
 Customer address : \*\*, \*\*, \*\*, \*\*, Japan  
 Product : SOUND LEVEL METER  
 Model : NL-00  
 Serial number : 00000000  
 Level range : 20 dB to 100 dB  
 Manufacturer : RION CO., LTD.  
 Calibration item : A-frequency-weighted sound level at reference direction  
 Calibration method : Comparison with specified secondary standard microphone according to JCSS calibration procedure specified by RION.  
 Ambient conditions : Temperature 23.0 , Relative humidity 50 %, Static pressure 100.0 kPa  
 Calibration date : \*\*/\*\*/\*\*\*\* (DD/MM/YYYY)  
 Calibration location : 3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan

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

Issue date : \*\*/\*\*/\*\*\*\* (DD/MM/YYYY)



Manager  
 Quality Assurance Section,  
 Quality Assurance Department,  
 Environmental Instrument 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 17025:2005.

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 Laboratory Accreditation Cooperation (APLAC). This (These) calibration result(s) may be accepted internationally through ILAC/APLAC MRA.

## CALIBRATION RESULT

### 1. A-frequency-weighted sound level at reference direction

Frequency (Hz)	Measured * <sup>1</sup> (dB)	Expanded uncertainty * <sup>2</sup> (dB)
20	0.4	0.4
25	0.1	0.4
31.5	0.1	0.3
40	0.4	0.3
50	0.2	0.3
63	0.4	0.3
80	0.5	0.3
100	0.3	0.3
125	0.2	0.3
160	0.5	0.3
200	0.4	0.2
250	0.3	0.2
315	0.3	0.2
400	0.4	0.2
500	0.4	0.2
630	0.5	0.2
800	0.3	0.2
1000	0.4	0.2
1250	0.1	0.3
1600	0.3	0.3
2000	0.4	0.3
2500	0.7	0.3
3150	0.7	0.3
4000	0.3	0.4
5000	1.1	0.4
6300	0.7	0.4
8000	0.3	0.4
10000	1.2	0.6
12500	0.9	0.6

\*<sup>1</sup> The difference of the indication of the sound level meter responded by the plane progressive sound waves incident on the microphone from the reference direction and frequency weighted sound pressure level in the absence of sound level meter.

\*<sup>2</sup> 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.

## CALIBRATION RESULT

### 2. Specified secondary standard microphone

Model                    0000  
Serial number        0000000

### 3. Note

- Sound pressure levels at the microphone in the anechoic room are 64 dB at 20 Hz and 25 Hz, and 84 dB at other frequencies.
- Both acoustical signal and electrical signal are used for input.

- closing -

SAMPLE