



ANNEX E1

CALIBRATION CERTIFICATES FOR NOISE
MONITORING EQUIPMENT

Certificate of Calibration

Certificate No. ATS25-066-CC004

Customer: **Envirotech Services Company**
Room 712, 7/F, My Loft,
9 Hoi Wing Road, Tuen Mun
N.T., Hong Kong

Unit-under-test (UUT):

Description:	Sound Level Meter	,	Microphone	,	Pre-amplifier
Manufacturer:	RION				
Type No.:	NL-52	,	UC-59	,	NH-25
Serial No.:	00542913	,	06829	,	76317

Conditions during calibration:

Temperature:	26°C
Relative Humidity:	56%

Test Specifications: Calibration Check

Date of calibration: 22 August 2025

Test Results: All calibration points are within manufacturer's specification.

Certified by:



Mr. Y. T. YEUNG * Technical Manager
MIOA, MHKIOA, MHKIQEP

Issue Date: 22 August 2025

1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.

2. Calibration equipment:

Description: Acoustical Calibrator
Manufacturer & Type: Brüel & Kjær 4231
Serial No.: 2478237
Last Calibration Date: 18 February 2025
Certificate No.: AV250027

The calibration equipment used for calibration is traceable to National Standards via Standards and Calibration Laboratory, the Government of the HKSAR.

3. The Sound Analyzer has been calibrated in accordance with the requirements as specified in IEC 61672-1 Class 1, and vendor specific procedures.

4. The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted, if any, will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.

5. Calibration Results

Setting of unit-under-test (UUT)				Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Frequency Weighting	Response	Level, dB	Frequency, Hz			
30-130	SPL	A	F	94.00	1000	94.1	± 0.7	PASS
			S			94.1	± 0.7	PASS
		C	F			94.1	± 0.7	PASS
			S			94.1	± 0.7	PASS
		L	F			94.1	± 0.7	PASS
			S			94.1	± 0.7	PASS
		A	F	114.00	1000	114.1	± 0.7	PASS
			S			114.1	± 0.7	PASS

All calibration points are within manufacturer's specification.

Certificate of Calibration

Certificate No. ATS25-066-CC002

Customer: **Envirotech Services Company**

Room 712, 7/F, My Loft,
9 Hoi Wing Road, Tuen Mun
N.T., Hong Kong

Unit-under-test (UUT):

Description: Precision Acoustic Calibrator
Manufacturer: Larson Davis
Type No.: CAL 200
Serial No.: 11333

Conditions during calibration:

Temperature: 26°C
Relative Humidity: 59%

Test Specifications: Calibration Check

Date of calibration: 15 July 2025

Test Results: All calibration points are within manufacturer's specification.

Certified by: 


Mr. Y. T. LEUNG / Technical Manager
MIOA, MHKIOA, MHKIQEP

Issue Date: 15 July 2025

- The instrument under test was allowed to stabilize in the laboratory for over 24 hours.
- Calibration equipment:

Description:	Sound Analyzer	Reference Microphone
Manufacturer:	Brüel & Kjær	Brüel & Kjær
Type No.:	2270	4189
Serial No.:	3001883	2662797
Last Calibration Date:	11 March 2025	11 March 2025
Certificate No.:	AV250047	AV250047

The calibration equipment used for calibration is traceable to National Standards via Standards and Calibration Laboratory, the Government of the HKSAR.

- The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted, if any, will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.
- Calibration Results

Nominal value dB	Measured value dB	IEC 60942 Class 1 Tolerance Limits dB	Conclusion	Expanded Measurement Uncertainty of Reference Microphone B&K 4189 at 1000 Hz dB
94.00	93.84	± 0.25	PASS	0.20
114.0	113.75	± 0.25	PASS	0.20

All calibration points are within manufacturer's specification.