

## Appendix 12-2- Noise Meter Calibration Certificates





# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 15 September 2020**

**Certificate Number: UCRT20/1868**

Calibrated at & Certificate issued by:

ANV Measurement Systems

Beaufort Court

17 Roebuck Way

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Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

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Approved Signatory

K. Mistry

**Customer** AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonsaugh  
Dublin 17  
Ireland

**Order No.** 2074

**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00564809
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	64934
	Rion	Microphone	UC-59	09447
	Rion	Calibrator	NC-74	34536109
		Calibrator adaptor type if applicable		NC-74-002

**Performance Class** 1

**Test Procedure** TP 2.SLM 61672-3 TPS-49

*Procedures from IEC 61672-3:2006 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2002** YES **Approval Number** 21.21 / 13.02

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2003*

**Date Received** 14 September 2020

**ANV Job No.** UKAS20/09501

**Date Calibrated** 15 September 2020

The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3:2006, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organisation responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2:2003, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2002, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1:2002.

Previous Certificate	Dated	Certificate No.	Laboratory
	22 August 2018	UCRT18/1866	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 20 October 2020**

**Certificate Number: UCRT20/2020**

Calibrated at & Certificate issued by:

ANV Measurement Systems

Beaufort Court

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K. Mistry

Customer AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonshaugh  
Dublin 17  
Ireland

Order No. PO-2083

Description Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	01076330
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	87063
	Rion	Microphone	UC-59	13407
	Brüel & Kjær	Calibrator	4231	3010369
		Calibrator adaptor type if applicable		UC 0210

Performance Class 1

Test Procedure TP 2.SLM 61672-3 TPS-49

*Procedures from IEC 61672-3:2006 were used to perform the periodic tests.*

Type Approved to IEC 61672-1:2002 YES Approval Number 21.21 / 13.02

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2003*

Date Received 19 October 2020

ANV Job No. UKAS20/10584

Date Calibrated 20 October 2020

The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3:2006, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organisation responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2:2003, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2002, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1:2002.

Previous Certificate	Dated	Certificate No.	Laboratory
	03 April 2019	UCRT19/1402	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 17 March 2022**

**Certificate Number: UCRT22/1382**

Calibrated at & Certificate issued by:

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Customer AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonshaugh  
Dublin  
D17 XD90  
Ireland

Order No. 2201

Description Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification

Manufacturer	Instrument	Type	Serial No. / Version
Rion	Sound Level Meter	NL-52	00586940
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	87059
Rion	Microphone	UC-59	17049
Rion	Calibrator	NC-74	34536109
	Calibrator adaptor type if applicable		NC-74-002

Performance Class 1

Test Procedure TP 10. SLM 61672-3:2013  
*Procedures from IEC 61672-3:2013 were used to perform the periodic tests.*

Type Approved to IEC 61672-1:2013 Yes  
*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013*

Date Received 16 March 2022 ANV Job No. UKAS22/03189

Date Calibrated 17 March 2022

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	Dated	Certificate No.	Laboratory
	28 October 2020	UCRT20/2049	0653

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# CERTIFICATE OF CALIBRATION



**Date of Issue: 09 September 2021**

**Certificate Number: UCRT21/2108**

Calibrated at & Certificate issued by:

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K. Mistry

**Customer** AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonshaugh  
Dublin  
D17 XD90

**Order No.** 2157

**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00575785
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	65812
	Rion	Microphone	UC-59	11406
	Brüel & Kjær	Calibrator	4231	3010488
		Calibrator adaptor type if applicable		UC 0210

**Performance Class** 1

**Test Procedure** TP 10. SLM 61672-3:2013

*Procedures from IEC 61672-3:2013 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2013** Yes

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013*

**Date Received** 03 September 2021

**ANV Job No.** UKAS21/09586

**Date Calibrated** 09 September 2021

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	Dated	Certificate No.	Laboratory
	31 July 2019	UCRT19/1856	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 09 September 2021**

**Certificate Number: UCRT21/2107**

Calibrated at & Certificate issued by:

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**Customer** AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
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Dublin  
D17 XD90

**Order No.** 2157

**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00764925
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	65051
	Rion	Microphone	UC-59	09853
	Brüel & Kjær	Calibrator	4231	3010488
		Calibrator adaptor type if applicable		UC 0210

**Performance Class** 1

**Test Procedure** TP 10. SLM 61672-3:2013

*Procedures from IEC 61672-3:2013 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2013** Yes

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013*

**Date Received** 03 September 2021

**ANV Job No.** UKAS21/09586

**Date Calibrated** 09 September 2021

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	Dated	Certificate No.	Laboratory
	10 June 2021	UCRT21/1719	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 01 February 2022**

**Certificate Number: UCRT22/1142**

Calibrated at & Certificate issued by:

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**Customer** AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonshaugh  
Dublin  
D17 XD90

**Order No.** DOD/22/Cal/038

**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00998409
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	98623
	Rion	Microphone	UC-59	15915
	Brüel & Kjær	Calibrator	4231	3010472
		Calibrator adaptor type if applicable		UC 0210

**Performance Class** 1

**Test Procedure** TP 10. SLM 61672-3:2013

*Procedures from IEC 61672-3:2013 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2013** Yes

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013*

**Date Received** 26 January 2022

**ANV Job No.** UKAS22/01059

**Date Calibrated** 01 February 2022

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	Dated	Certificate No.	Laboratory
	07 May 2020	UCRT20/1406	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 04 November 2021**

**Certificate Number: UCRT21/2362**

Calibrated at & Certificate issued by:

ANV Measurement Systems

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**Customer** AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonshaugh  
Dublin  
D17 XD90

**Order No.** DOD/21/Cal037

**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00164426
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	54559
	Rion	Microphone	UC-59	09207
	Rion	Calibrator	NC-74	34536109
		Calibrator adaptor type if applicable		NC-74-002

**Performance Class** 1

**Test Procedure** TP 10. SLM 61672-3:2013

*Procedures from IEC 61672-3:2013 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2013** Yes

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013*

**Date Received** 02 November 2021

**ANV Job No.** UKAS21/11719

**Date Calibrated** 04 November 2021

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	Dated	Certificate No.	Laboratory
	05 May 2020	UCRT20/1394	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 01 February 2022**

**Certificate Number: UCRT22/1140**

Calibrated at & Certificate issued by:

ANV Measurement Systems

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**Customer** AWN Consulting Limited  
The Tecpro Building  
IDA Business and Technology Park  
Clonshaugh  
Dublin  
D17 XD90

**Order No.** DOD/22/Cal/038

**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00998411
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	98625
	Rion	Microphone	UC-59	17215
	Brüel & Kjær	Calibrator	4231	2022651
		Calibrator adaptor type if applicable		UC 0210

**Performance Class** 1

**Test Procedure** TP 10. SLM 61672-3:2013

*Procedures from IEC 61672-3:2013 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2013** Yes

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013*

**Date Received** 26 January 2022

**ANV Job No.** UKAS22/01059

**Date Calibrated** 01 February 2022

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	Dated	Certificate No.	Laboratory
	16 September 2020	UCRT20/1875	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 17 July 2020**

**Certificate Number: UCRT20/1661**

Issued by:

ANV Measurement Systems

Beaufort Court

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Milton Keynes MK5 8HL

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**Customer**                      AWN Consulting  
The Tecpro Building  
IDA Business and Technology Park  
Clonsaugh  
Dublin 17

**Order No.**                      2055

**Description**                      Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00976162
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	76279
	Rion	Microphone	UC-59	12055
	Rion	Calibrator	NC-74	34536109
		Calibrator adaptor type if applicable		NC-74-002

**Performance Class**                      1

**Test Procedure**                      TP 2.SLM 61672-3 TPS-49

*Procedures from IEC 61672-3:2006 were used to perform the periodic tests.*

**Type Approved to IEC 61672-1:2002**                      YES                      **Approval Number**                      21.21 / 13.02

*If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2003*

**Date Received**                      16 July 2020

**ANV Job No.**                      UKAS20/07375

**Date Calibrated**                      17 July 2020

The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3:2006, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organisation responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2:2003, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2002, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1:2002.

Previous Certificate	Dated	Certificate No.	Laboratory
	23 August 2019	UCRT19/1930	0653

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