



## APPENDIX 12-3

**CALIBRATION  
CERTIFICATES**



## APPENDIX 12-3 – CALIBRATION CERTIFICATES



# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 03 May 2022****Certificate Number: UCRT22/1596**

Calibrated at &amp; Certificate issued by:

ANV Measurement Systems

Beaufort Court

17 Roebuck Way

Milton Keynes MK5 8HL

Telephone 01908 642846 Fax 01908 642814

E-Mail: info@noise-and-vibration.co.uk

Web: www.noise-and-vibration.co.uk

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  
Clonshaugh  
Dublin, D17 XD90  
Ireland

**Order No.** DOD/22/Cal040  
**Description** Sound Level Meter / Pre-amp / Microphone / Associated Calibrator  
**Identification**

Manufacturer	Instrument	Type	Serial No. / Version
Rion	Sound Level Meter	NL-52	00186670
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	76820
Rion	Microphone	UC-59	12816
Brüel & Kjær	Calibrator	4231	2394086
	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** 29 April 2022 **ANV Job No.** UKAS22/04300  
**Date Calibrated** 03 May 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
	05 May 2020	UCRT20/1392	0653

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# CERTIFICATE OF CALIBRATION



0653

Date of Issue: 01 February 2022

Certificate Number: UCRT22/1140

Calibrated at &amp; Certificate issued by:

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Customer AWN Consulting Limited  
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Clonsaugh  
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: 13 January 2023

Certificate Number: UCRT23/1053

Calibrated at &amp; Certificate issued by:

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Dublin  
D17 XD90, Ireland

Order No. DOD/22/Cal045

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
	Brüel & Kjær	Calibrator	4231	2263026
		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 09 January 2023

ANV Job No. UKAS23/01009

Date Calibrated 13 January 2023

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
	15 September 2020	UCRT20/1868	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 05 September 2022****Certificate Number: UCRT22/2064**

Calibrated at &amp; Certificate issued by:

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                                       Clonshaugh  
                                       Dublin, D17 XD90  
                                       Ireland

**Order No.**                      2243  
**Description**                  Sound Level Meter / Pre-amp / Microphone / Associated Calibrator  
**Identification**

Manufacturer	Instrument	Type	Serial No. / Version
Rion	Sound Level Meter	NL-52	00564808
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	64933
Rion	Microphone	UC-59	21306
Rion	Calibrator	NC-75	34313057
	Calibrator adaptor type if applicable		NC-75-022

**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**                01 September 2022**ANV Job No.**                  UKAS22/09555**Date Calibrated**              05 September 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
	15 September 2020	UCRT20/1867	0653

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 01 February 2022****Certificate Number: UCRT22/1142**

Calibrated at &amp; Certificate issued by:

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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: 12 May 2022****Certificate Number: UCRT22/1643**

Calibrated at &amp; Certificate issued by:

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Order No. DOD/22/Cal041

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

Identification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00186669
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	76819
	Rion	Microphone	UC-59	12814
	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 10 May 2022

ANV Job No. UKAS22/05320

Date Calibrated 12 May 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
	04 May 2020	UCRT20/1389	0653

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