



## **APPENDIX 11-2**

***CALIBRATION CERTIFICATES***



# CERTIFICATE OF CALIBRATION




0653

**Date of Issue: 22 January 2020**

**Certificate Number: UCRT20/1096**

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

Page 1 of 2 Pages  
 Approved Signatory  
  
 K. Mistry

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

Order No.                    AWNC150120QTE  
 Description                Sound Level Meter / Pre-amp / Microphone / Associated Calibrator  
 Identification

Manufacturer	Instrument	Type	Serial No. / Version
Rion	Sound Level Meter	NL-52	00998410
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	98624
Rion	Microphone	UC-59	15916
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            17 January 2020                    ANV Job No.    UKAS20/01036  
 Date Calibrated         22 January 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
	Initial Calibration		

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 22 January 2020**

**Certificate Number: UCRT20/1094**

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Beaufort Court  
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K. Mistry

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

Order No.	AWNC150120QTE			
Description	Sound Level Meter / Pre-amp / Microphone / Associated Calibrator			
Identification	<i>Manufacturer</i>	<i>Instrument</i>	<i>Type</i>	<i>Serial No. / Version</i>
	Rion	Sound Level Meter	NL-52	00998411
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	98625
	Rion	Microphone	UC-59	15917
	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            17 January 2020                            ANV Job No.        UKAS20/01036

Date Calibrated          22 January 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	<i>Dated</i>	<i>Certificate No.</i>	<i>Laboratory</i>
	Initial Calibration		

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 21 January 2020**

**Certificate Number: UCRT20/1093**

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K. Mistry

**Customer**                    AWN Consulting  
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                                    IDA Business and Technology Park  
                                    Clonshaugh  
                                    Dublin 17

**Order No.**                    AWNC150120QTE  
**Description**                Sound Level Meter / Pre-amp / Microphone / Associated Calibrator  
**Identification**

<i>Manufacturer</i>	<i>Instrument</i>	<i>Type</i>	<i>Serial No. / Version</i>
Rion	Sound Level Meter	NL-52	00998412
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	98626
Rion	Microphone	UC-59	15919
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**            17 January 2020

**ANV Job No.**                UKAS20/01036

**Date Calibrated**         21 January 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.

<b>Previous Certificate</b>	<i>Dated</i>	<i>Certificate No.</i>	<i>Laboratory</i>
	Initial Calibration		

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# CERTIFICATE OF CALIBRATION



0653

**Date of Issue: 22 January 2020**

**Certificate Number: UCRT20/1095**

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Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

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K. Mistry

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

<b>Order No.</b>	AWNC150120QTE			
<b>Description</b>	Sound Level Meter / Pre-amp / Microphone / Associated Calibrator			
<b>Identification</b>	<i>Manufacturer</i>	<i>Instrument</i>	<i>Type</i>	<i>Serial No. / Version</i>
	Rion	Sound Level Meter	NL-52	00998413
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	98627
	Rion	Microphone	UC-59	15920
	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**            17 January 2020                            **ANV Job No.**        UKAS20/01036

**Date Calibrated**         22 January 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.

<b>Previous Certificate</b>	<i>Dated</i>	<i>Certificate No.</i>	<i>Laboratory</i>
	Initial Calibration		

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# CERTIFICATE OF CALIBRATION




0653

**Date of Issue: 15 August 2018**

**Certificate Number: UCRT18/1831**

Issued by:  
ANV Measurement Systems  
Beaufort Court  
17 Roebuck Way  
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J. Harriman

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

Order No.                   1869  
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		1.9
Rion	Pre Amplifier	NH-25	87059
Rion	Microphone	UC-59	13402
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            13 August 2018                    ANV Job No.    UKAS18/08513  
Date Calibrated          15 August 2018

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
	Initial Calibration		

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