



## **APPENDIX 11-3**

***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  
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Telephone 01908 642846 Fax 01908 642814  
E-Mail: info@noise-and-vibration.co.uk  
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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

<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>
	Rion	Sound Level Meter	NL-52
	Rion	Firmware	2.0
	Rion	Pre Amplifier	NH-25
	Rion	Microphone	UC-59
	Rion	Calibrator	NC-74
		Calibrator adaptor type if applicable	NC-74-002

<b>Performance Class</b>	1		
<b>Test Procedure</b>	TP 2.SLM 61672-3 TPS-49 <i>Procedures from IEC 61672-3:2006 were used to perform the periodic tests.</i>		
<b>Type Approved to IEC 61672-1:2002</b>	YES	<b>Approval Number</b>	21.21 / 13.02
	<i>If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2003</i>		
<b>Date Received</b>	17 January 2020	<b>ANV Job No.</b>	UKAS20/01036
<b>Date Calibrated</b>	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

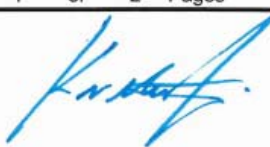


0653

**Date of Issue: 22 January 2020**

**Certificate Number: UCRT20/1094**

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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

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	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	Dated	Certificate No.	Laboratory
	Initial Calibration		

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# CERTIFICATE OF CALIBRATION




0653

**Date of Issue: 22 January 2020**

**Certificate Number: UCRT20/1095**

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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

Manufacturer	Instrument	Type	Serial No. / Version
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.

Previous Certificate	Dated	Certificate No.	Laboratory
	Initial Calibration		

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# CERTIFICATE OF CALIBRATION



**Date of Issue: 15 August 2018**

**Certificate Number: UCRT18/1831**

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

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                           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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