



APPENDIX 11-2

**CALIBRATION
CERTIFICATES**

CALIBRATION CERTIFICATES



CERTIFICATE OF CALIBRATION



Date of Issue: 12 May 2020

Certificate Number: UCRT20/1415

Issued by:
ANV Measurement Systems
Beaufort Court
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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

Order No.	RM/20/Cal019		
Description	Sound Level Meter / Pre-amp / Microphone / Associated Calibrator		
Identification	<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
	Brüel & Kjær	Calibrator	4231
		Calibrator adaptor type if applicable	UC 0210
Performance Class	1		
Test Procedure	TP 2.SLM 61672-3 TPS-49		
	<i>Procedures from IEC 61672-3:2006 were used to perform the periodic tests.</i>		
Type Approved to IEC 61672-1:2002	YES	Approval Number	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>		
Date Received	30 April 2020	ANV Job No.	UKAS20/04240
Date Calibrated	12 May 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>
	20 April 2018	UCRT18/1437	0653

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**CERTIFICATE
OF
CALIBRATION**



Date of Issue: 04 May 2020

Certificate Number: UCRT20/1386

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The Tecpro Building
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Dublin 17

Order No. RM/20/Cal019
Description Sound Level Meter / Pre-amp / Microphone / Associated Calibrator
Identification

Manufacturer	Instrument	Type	Serial No. / Version
Rion	Sound Level Meter	NL-52	00186667
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	76817
Rion	Microphone	UC-59	12812
Brüel & Kjær	Calibrator	4231	2205805
	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 30 April 2020 ANV Job No. UKAS20/04240
Date Calibrated 04 May 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
	20 April 2018	UCRT18/1432	0653

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**CERTIFICATE
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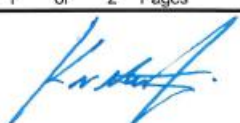


Date of Issue: 05 May 2020

Certificate Number: UCRT20/1392

Issued by:

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K. Mistry

Customer AWN Consulting
The Tecpro Building
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Clonshaugh
Dublin 17

Order No. RM/20/Cal019
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	2205805
	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 30 April 2020 ANV Job No. UKAS20/04240
Date Calibrated 05 May 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
	20 April 2018	UCRT18/1435	0653

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CERTIFICATE OF CALIBRATION



0653


Date of Issue: 31 July 2019

Certificate Number: UCRT19/1856

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Customer AWN Consulting
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 Clonshaugh
 Dublin 17

Order No. 1999
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	2460007
	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 30 July 2019 ANV Job No. UKAS19/07499
Date Calibrated 31 July 2019

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
	28 July 2017	UCRT17/1627	0653

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CERTIFICATE OF CALIBRATION



Date of Issue: 31 July 2019

Certificate Number: UCRT19/1857

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Customer AWN Consulting
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Order No. 1999
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	00575802
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	75829
Rion	Microphone	UC-59	11426
Brüel & Kjær	Calibrator	4231	2460007
	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 30 July 2019 ANV Job No. UKAS19/07499
Date Calibrated 31 July 2019

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>
	28 July 2017	UCRT17/1624	0653

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CERTIFICATE OF CALIBRATION



Date of Issue: 05 May 2020

Certificate Number: UCRT20/1393

Issued by:
ANV Measurement Systems
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Dublin 17

Order No. RM/20/Cal019
Description Sound Level Meter / Pre-amp / Microphone / Associated Calibrator
Identification

Manufacturer	Instrument	Type	Serial No. / Version
Rion	Sound Level Meter	NL-52	00164427
Rion	Firmware		2.0
Rion	Pre Amplifier	NH-25	54560
Rion	Microphone	UC-59	09208
Brüel & Kjær	Calibrator	4231	2205805
	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 30 April 2020 ANV Job No. UKAS20/04240
Date Calibrated 05 May 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
	09 April 2018	TCRT18/1306	ANV Measurement Systems

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**CERTIFICATE
OF
CALIBRATION**



Date of Issue: 22 January 2020

Certificate Number: UCRT20/1097

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
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Customer AWN Consulting
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IDA Business and Technology Park
Clonshaugh
Dublin 17

Order No. AWNC281119QTE
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
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. UKAS20/01034
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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