Calibration Certificates

Calibration certificates for Sound Level Meters and caibrator with the following serial numbers:

Rion NL-52 - SN: 231668;

Rion NL-52 - SN: 710288;

Rion NL-52 - SN: 976162;

Rion NL-52 - SN: 186672;

Bruel and Kjaer 2238 - SN: 2638294;

Bruel and Kjaer 2238 - SN: 2562663;

Bruel and Kjaer 2238 - SN: 2638292; and,

Bruel and Kjaer 2238 - SN: 2562813.





Date of Issue: 20 April 2018

Issued by:

ANV Measurement Systems

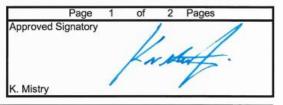
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Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Certificate Number: UCRT18/1436



AWN Consulting Limited Customer

The Tecpro Building

Clonshaugh Business and Technology Park

Dublin 17 Ireland D17 NX50

Order No.

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

Serial No. / Version Identification Manufacturer Instrument Type 00186668 Rion Sound Level Meter NL-52 Rion **Firmware** 1.9 Rion Pre Amplifier NH-25 76701 Rion Microphone UC-59 12813 Rion Calibrator NC-74 34536109

> Calibrator adaptor type if applicable NC-74-002

Performance Class

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

20 April 2018 ANV Job No. UKAS18/04261

Date Calibrated 20 April 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







Date of Issue: 27 August 2019

Issued by:

ANV Measurement Systems

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Certificate Number: UCRT19/1934

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Approved Signatory		1	/	1	
	Krolet.				
K. Mistry	/				

Customer ANV Measurement Systems

Beaufort Court 17 Roebuck Way Milton Keynes MK5 8HL

Order No. ANV MS HIRE

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

Identification Manufacturer Instrument Serial No. / Version Type Rion Sound Level Meter NL-52 00710288 Rion 2.0 Firmware Rion Pre Amplifier NH-25 10282 Rion Microphone UC-59 02726 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 23 August 2019 ANV Job No. UKAS19/08556

Date Calibrated 27 August 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 03 July 2018 UCRT18/1672 0653





Certificate Number: UCRT19/1930

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Pages

Date of Issue: 23 August 2019

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Customer

AWN Consulting Limited

The Tecpro Building

IDA Business & Technology Park

Dublin 17 Ireland

Order No.

2003

Description

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

K. Mistry

Identification

Manufacturer Instrument Serial No. / Version Type 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

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

22 August 2019

ANV Job No.

UKAS19/08553

Date Calibrated

23 August 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

Initial Calibration



K. Mistry

Certificate Number: UCRT18/1439

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Pages

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Order No.

Customer

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

Identification Instrument Serial No. / Version Manufacturer Type Rion Sound Level Meter NL-52 00186672 1.9 Rion Firmware NH-25 76822 Pre Amplifier Rion UC-59 12818 Rion Microphone Rion Calibrator NC-74 34536109

NC-74-002 Calibrator adaptor type if applicable

Performance Class

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

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

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

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

20 April 2018

ANV Job No.

UKAS18/04261

Date Calibrated 20 April 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





Date of Issue: 09 November 2018

Issued by:

ANV Measurement Systems

Beaufort Court 17 Roebuck Way

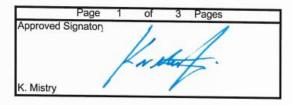
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Certificate Number: UCRT18/2136



CUSTOMER

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Unit 30

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Dublin 17 D17 XD90

ORDER No

1911

Job No

UKAS18/11704

DATE OF RECEIPT 07 November 2018

PROCEDURE

Calibration Engineer's Handbook section 3: verification of sound level

meters to BS 7580:Part 1:1997

IDENTIFICATION

Sound level meter Brüel & Kjær type 2238-C serial No 2638294 connected via a preamplifier type ZC 0030 serial No 4191 to a half-inch microphone type 4188 serial No 2682517. Associated calibrator Brüel & Kjær type 4231 serial No 2263026 with a one-inch housing

and adapter type UC 0210 for half-inch microphone.

CALIBRATED ON

09 November 2018

PREVIOUS

Calibrated on 04 October 2016, Certificate No. 02873/4 issued by a

CALIBRATION

UKAS accredited calibration laboratory No. 0801





Date of Issue: 22 February 2018

Issued by: ANV Measurement Systems Beaufort Court 17 Roebuck Way Milton Keynes MK5 8HL

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Certificate Number: UCRT18/1197

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CUSTOMER

AWN Consulting Limited The Tecpro Building

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Clonshaugh Dublin 17 Ireland

ORDER No

1817

Job No

UKAS18/02097

DATE OF RECEIPT 12 February 2018

PROCEDURE

Calibration Engineer's Handbook section 3: verification of sound level

meters to BS 7580:Part 1:1997

IDENTIFICATION

Sound level meter Brüel & Kjær type 2238-F serial No 2562663 connected via a preamplifier type ZC 0030 serial No 4227 to a halfinch microphone type 4188 serial No 2580720. Associated calibrator Brüel & Kjær type 4231 serial No 2394086 with a one-inch housing

and adapter type UC 0210 for half-inch microphone.

CALIBRATED ON

22 February 2018

PREVIOUS CALIBRATION Calibrated on 05 February 2016, Certificate No. 02560/2 issued by a

UKAS accredited calibration laboratory No. 0801





Date of Issue: 09 November 2018

Issued by:

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Certificate Number: UCRT18/2135

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CUSTOMER

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ORDER No.

1911

Job No

UKAS18/11704

DATE OF RECEIPT 07 November 2018

PROCEDURE

Calibration Engineer's Handbook section 3: verification of sound level

meters to BS 7580:Part 1:1997

IDENTIFICATION

Sound level meter Brüel & Kjær type 2238-C serial No 2638292 connected via a preamplifier type ZC 0030 serial No 3489 to a halfinch microphone type 4188 serial No 2008312. Associated calibrator Brüel & Kjær type 4231 serial No 2263026 with a one-inch housing

and adapter type UC 0210 for half-inch microphone.

CALIBRATED ON

09 November 2018

PREVIOUS

Calibrated on 21 August 2017, Certificate No. 03377/1 issued by a

CALIBRATION

UKAS accredited calibration laboratory No. 0801





Date of Issue: 22 February 2018

Issued by:

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Certificate Number: UCRT18/1198

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ORDER No

1821

Job No

UKAS18/02116

DATE OF RECEIPT 21 February 2018

PROCEDURE

Calibration Engineer's Handbook section 3: verification of sound level

meters to BS 7580:Part 1:1997

IDENTIFICATION

Sound level meter Brüel & Kjær type 2238-D serial No 2562813 connected via a preamplifier type ZC 0030 serial No 4120 to a half-inch microphone type 4188 serial No 2555549. Associated calibrator Brüel & Kjær type 4231 serial No 2394086 with a one-inch housing

and adapter type UC 0210 for half-inch microphone.

CALIBRATED ON

22 February 2018

PREVIOUS CALIBRATION

Calibrated on 05 December 2016, Certificate No. 02996/1 issued by a

UKAS accredited calibration laboratory No. 0801