Appendix 13.2 Noise Meter Calibration Certificates

#### Appendix 13.2 – Noise Meter Calibration Certs

Calibration Cert for Rion NL-52 Serial No. 186667



#### CERTIFICATE OF CALIBRATION



Certificate Number: UCRT20/1386

Approved Signatory

K. Mistry



Date of Issue: 04 May 2020

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 Mes

Customer

IDA Business and Technology Park

Clonshaugh Dublin 17

AWN Consulting The Tecpro Building

Order No. RM/20/Cal019

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

Identification Manufacturer Instrument Serial No. / Version Type Sound Level Meter 00186667 Rion Rion Firmware 2.0 Rion Pre Amplifier NH-25 76817 UC-59 12812 Rion Microphone Brüel & Kjær

Calibrator 4231 2205805 Calibrator adaptor type if applicable UC 0210

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 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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Date of Issue: 07 May 2020

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Certificate Number: UCRT20/1405

Pages Page of Approved Signatory K. Mistry

Customer

**AWN Consulting** 

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IDA Business and Technology Park

Clonshaugh Dublin 17

Order No.

RM/20/Cal019

Description

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

Identification

Manufacturer Instrument Type Serial No. / Version 00186668 Sound Level Meter NL-52 Rion Rion Firmware 2.0 Pre Amplifier NH-25 76701 Rion Rion Microphone UC-59 12813 Brüel & Kjær 2205805 Calibrator 4231 Calibrator adaptor type if applicable UC 0210

Performance Class

TP 2.SLM 61672-3 TPS-49

Type Approved to IEC 61672-1:2002

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

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

YES

Date Received

Test Procedure

30 April 2020

ANV Job No.

UKAS20/04240

Date Calibrated 07 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.

20 April 2018

Previous Certificate

Certificate No. UCRT18/1436

Laboratory 0653

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Certificate Number: UCRT20/1388

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Date of Issue: 04 May 2020

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IDA Business and Technology Park

Clonshaugh Dublin 17

Order No.

RM/20/Cal019

Description Identification Sound Level Meter / Pre-amp / Microphone / Associated Calibrator Serial No. / Version Manufacturer Instrument

K. Mistry

NL-52 00186672 Rion Sound Level Meter Rion Firmware 2.0 Rion Pre Amplifier NH-25 76822 Rion UC-59 12818 Microphone Brüel & Kjær 2205805 Calibrator 4231 Calibrator adaptor type if applicable UC 0210

Performance Class

Test Procedure

TP 2.SLM 61672-3 TPS-49

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

Type Approved to IEC 61672-1:2002

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 **Date Calibrated**  30 April 2020 04 May 2020

ANV Job No.

UKAS20/04240

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. UCRT18/1439 Laboratory 0653

20 April 2018 This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.



Certificate Number: UCRT19/1856

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Pages

Date of Issue: 31 July 2019

Issued by:

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Order No.

Customer

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

Identification Serial No. / Version Manufacturer Instrument Type Rion 00575785 Sound Level Meter NL-52 Rion

Firmware 2.0 Rion Pre Amplifier NH-25 65812 Rion Microphone UC-59 11406 Brüel & Kjær 2460007 Calibrator 4231 Calibrator adaptor type if applicable UC 0210

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 30 July 2019

Date Calibrated 31 July 2019 ANV Job No. UKAS19/07499

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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Date of Issue: 21 July 2020

Issued by:

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Certificate Number: UCRT20/1678

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Customer

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IDA Business and Technology Park

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Order No.

2055

Description

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

Identification

Serial No. / Version Manufacturer Instrument Type 00575802 Rion Sound Level Meter NL-52 Rion Firmware 2.0 Rion Pre Amplifier NH-25 75829

UC-59 11426 Microphone Rion 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

16 July 2020

ANV Job No.

UKAS20/07375

**Date Calibrated** 

21 July 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

31 July 2019

Certificate No. UCRT19/1857

Laboratory 0653

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Date of Issue: 22 January 2020

Issued by:

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Certificate Number: UCRT20/1094

Page 1 of 2 Pages
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K. Mistry

Customer

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The Tecpro Building

IDA Business and Technology Park

Clonshaugh Dublin 17

Order No.

AWNC150120QTE

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

Manufacturer Instrument Type Serial No. / Version

ation

 Manufacturer
 Instrument
 Type
 Serial No. / Ver

 Rion
 Sound Level Meter
 NL-52
 00998411

 Rion
 Firmware
 2.0

 Rion
 Pre Amplifier
 NH-25
 98625

 Pion
 Microphone
 LIC 50
 15017

 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 Test Procedure

1

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

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

YES

Date Received

17 January 2020

ANV Job No.

UKAS20/01036

Date Calibrated

22 January 2020

Initial Calibration

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

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