

CALIBRATION CERTIFICATES



CERTIFICATE OF CALIBRATION





Date of Issue: 12 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 Me

Certificate Number: UCRT20/1415

Page 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

Serial No. / Version Manufacturer Instrument Type 00186671 Rion Sound Level Meter NL-52 Rion Firmware 2.0 76821 Pre Amplifier NH-25 Rion 16877 UC-59 Rion 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.

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 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

Dated 20 April 2018

Certificate No. UCRT18/1437 Laboratory 0653

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.







Date of Issue: 04 May 2020

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 Med

Certificate Number: UCRT20/1386

Page 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

Serial No. / Version Manufacturer Instrument Type 00186667 Rion Sound Level Meter NL-52 Rion Firmware 2.0 Pre Amplifier NH-25 76817 Rion UC-59 12812 Rion Microphone Brüel & Kjær Calibrator 4231 2205805

Calibrator adaptor type if applicable

UC 0210

Performance Class

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

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

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 Certificate No. Dated Laboratory UCRT18/1432 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.







Date of Issue: 05 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 Mea

Page Approved Signatory K. Mistry

Certificate Number: UCRT20/1392

Customer

AWN Consulting

The Tecpro Building

IDA Business and Technology Park

Clonshaugh Dublin 17

Order No.

RM/20/Cal019 Manufacturer

Description

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

Identification

Instrument Type Sound Level Meter NL-52 Firmware

Serial No. / Version 00186670

Rion Rion

Pre Amplifier NH-25

2.0 76820 12816

Rion Rion Brüel & Kjær

Microphone UC-59 Calibrator 4231 Calibrator adaptor type if applicable

2205805

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. 21.21 / 13.02 Approval Number

Type Approved to IEC 61672-1:2002

YES

If YES above there is public evidence that the SLM has successfully completed the

Date Received

30 April 2020

applicable pattern evaluation tests of IEC 61672-2:2003 ANV Job No.

Date Calibrated

05 May 2020

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.

Laboratory

UCRT18/1435 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.





Pages

Date of Issue: 31 July 2019

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

K. Mistry

Certificate Number: UCRT19/1856

Page

Approved Signatory

Customer

AWN Consulting

The Tecpro Building

IDA Business and Technology Park

Clonshaugh Dublin 17

Manufacturer

Order No.

1999

Rion

Rion

Description

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

Identification

Instrument Serial No. / Version Туре Sound Level Meter NL-52 00575785 Firmware 2.0 Pre Amplifier NH-25 65812

Rion Rion Microphone UC-59 11406 Brüel & Kjær Calibrator 4231 2460007 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

28 July 2017

Certificate No. UCRT17/1627

Laboratory 0653

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.





Date of Issue: 31 July 2019

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 Me

Certificate Number: UCRT19/1857

Approved Signatory K. Mistry

Customer

AWN Consulting

The Tecpro Building

IDA Business and Technology Park

Clonshaugh Dublin 17

Order No.

1999

Rion Brüel & Kjær

Description

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

Identification

Manufacturer Instrument Rion Sound Level Meter Rion Firmware Pre Amplifier Rion

2.0 NH-25 75829 UC-59 11426 2460007

Calibrator 4231 UC 0210 Calibrator adaptor type if applicable

Type

NL-52

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

Microphone

Date Received

30 July 2019

ANV Job No.

UKAS19/07499

Serial No. / Version

00575802

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 UCRT17/1624 0653 28 July 2017

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: UCRT20/1393

Page

Approved Signatory



Date of Issue: 05 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 Me

AWN Consulting Customer

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

K. Mistry

Identification

Serial No. / Version Manufacturer Instrument Type NL-52 00164427 Rion Sound Level Meter Rion Firmware 2.0 Rion Pre Amplifier NH-25 54560 Rion Microphone UC-59 09208 Brüel & Kjær Calibrator 4231 2205805

UC 0210 Calibrator adaptor type if applicable

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 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

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.







Date of Issue: 22 January 2020

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

cs Noise and Vibration Ltd trading as ANV Me

Certificate Number: UCRT20/1097

Page approved Signatory K. Mistry

Customer

AWN Consulting

The Tecpro Building

IDA Business and Technology Park

Clonshaugh Dublin 17

Order No.

AWNC281119QTE

Description

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

Identification

Manufacturer

Instrument NL-52

Serial No. / Version Type

Rion Rion Sound Level Meter Firmware

NH-25

00998409 2.0

Rion Rion Rion

Pre Amplifier Microphone

UC-59

98623 15915

Calibrator NC-74 Calibrator adaptor type if applicable 34536109 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. Approval Number

Type Approved to IEC 61672-1:2002

YES

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 ANV Job No.

UKAS20/01034

Date Received Date Calibrated 17 January 2020

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 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.