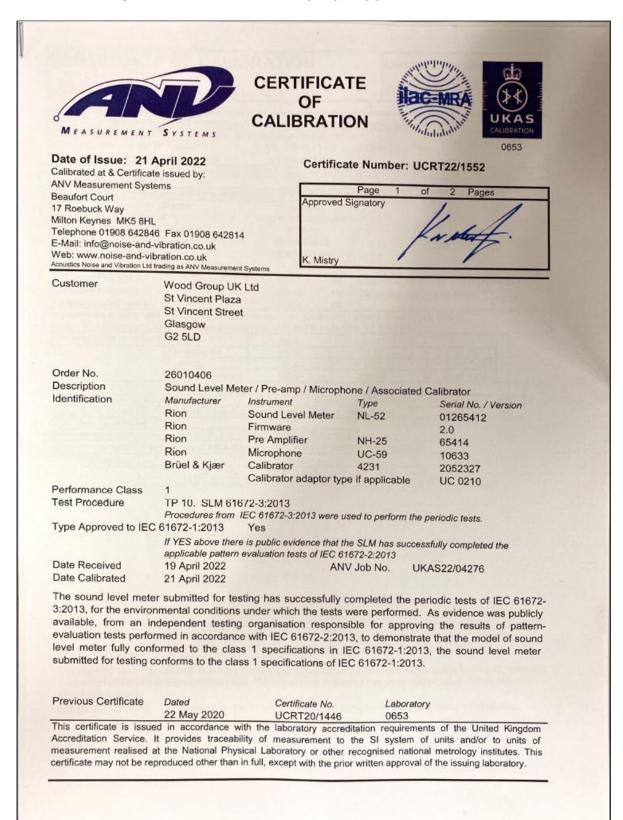


# **TECHNICAL APPENDIX 14.2: CALIBRATION CERTIFICATES**

1.	CALIBRATION CERTIFICATE NL52 01265412	1-2
2.	CALIBRATION CERTIFICATE NL52 00175536	2-4
3.	CALIBRATION CERTIFICATE NC74 34178103	3-6



## **CALIBRATION CERTIFICATE NL52 01265412**





	Certificate Number UCRT22/1552		
(AS Accredited Calib	ration Laboratory	No. 0653	Page 2 of 2 Pages
I I amal Matau land			
M instruction manual tit	ruction manual an	d data used to adjust the	e sound levels indicated.
M instruction manual re	tie NL-52/NL-42	Description for IEC 61672	
		No. 56034 21-03	Source Rion
ate provided or internet	Case Corrections	19 March 2021	
ncertainties provided	Yes Yes	Wind Shield Corrections	Mic Pressure to Free Field Corrections
tol expanded uncertain		Yes rements of IEC 61672-1:20	Yes 13 YES
pecified or equivalent C	alibrator	Equivalent	13   125
ustomer or Lab Calibrat		Customers Calibrator	
alibrator adaptor type if		UC 0210	
alibrator cal. date		20 April 2022	
alibrator cert. number		UCRT22/1540	
alibrator cal cert issued	by Lab	0653	
alibrator SPL @ STP		94.11 dB	Calibration reference sound pressure leve
Calibrator frequency		999.79 Hz	Calibration check frequency
Reference level range		Single dB	Cambration Grook frequency
accessories used or con	rected for during cali		able & Wind Shield WS-15
		en the SLM and the pre-am	
nvironmental condition		Start	End
	Temperature	24.50	24.30 ± 0.30 °C
	Humidity	40.6	42.2 ± 3.00 %RH
	Ambient Pressure	100.24	100.20 ± 0.03 kPa
Indication at the Calibra	tion Check Frequenc	у	
Initial indicated lev	el 94.2	dB Adjusted in	ndicated level 94.1 dB
	used for Indication a	at the Calibration Check Fre	quency ± 0.10 dB
Self Generated Noise	1	an lan Autoria	
Microphone installed -		17.9 dB A Weighting	Panna indicated
Microphone replaced wi		vice - UR = Under	Range indicated Z
Weighting	A 11.7 dB UR	15.5 dB UR	20.8 dB UR
Self Generated Noise re	CO. 200		
The reported expanded	of approximately 95%	. The uncertainty evaluation	multiplied by a coverage factor <i>k</i> =2, providi on has been carried out in accordance with ne items calibrated as identified above.
The reported expanded a coverage probability of UKAS requirements.	of approximately 95%	. The uncertainty evaluation	on has been carried out in accordance with
The reported expanded a coverage probability UKAS requirements. Additional Comments None	of approximately 95%	s. The uncertainty evaluations certificate only relate to the	on has been carried out in accordance with



### 2. CALIBRATION CERTIFICATE NL52 00175536



## CERTIFICATE OF CALIBRATION



Certificate Number: UCRT22/1695

Page

pproved Signatory

Mistry



Date of Issue: 25 May 2022
Calibrated at & Certificate 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 Measurement Systems

Wood Group

St. Vincent Plaza (Floor 2) 319 St. Vincent Street

Glasgow

G2 5LP

Order No. 26010406

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

Identification Manufacturer Instrument Type Serial No. / Version

00175536 Rion Sound Level Meter NL-52 Rion Firmware 20 65638 Rion Pre Amplifier NH-25 Rion Microphone UC-59 13128 Rion Calibrator NC-74 34178103 Calibrator adaptor type if applicable NC-74-002

Performance Class

Customer

Test Procedure TP 10. SLM 61672-3:2013

Procedures from IEC 61672-3:2013 were used to perform the periodic tests.

Type Approved to IEC 61672-1:2013 Yes

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

applicable pattern evaluation tests of IEC 61672-2:2013

Date Received 23 May 2022 ANV Job No. UKAS22/05346

Date Calibrated 25 May 2022

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate Dated Certificate No. Laboratory 26 May 2020 UCRT20/1449 0653

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Sound Level Meter Instruction manual and data used to adjust the sound levels indicated.  SLM instruction manual title NL-52NIL-42 Description for IEC 61672-1 SLM instruction manual title NL-52NIL-42 Description for IEC 61672-1 SLM instruction manual title NL-52NIL-42 Description for IEC 61672-1 SLM instruction manual title NL-52NIL-42 Description for IEC 61672-1 SLM instruction manual ref / Issue NL-56034 21-03 Source Rion Date provided or internet download date 19 March 2021 Case Corrections Wind Shield Corrections Milc Pressure to Free Field Corrections Uncertainties provided Yes Yes Yes Yes Yes Yes Yes Specified or equivalent Calibrator Customers Calibrator Customers Calibrator Customers Calibrator and the Customers Calibrator Calibrator and tate 24 May 2022 Calibrator cal cate 1 UCRT22/1682 Calibrator cal cate (Supplicable Calibrator Calibra	CERTIFICATE OF CALI	Certi	Certificate Number UCRT22/1695 Page 2 of 2 Pages				
Sound Level Meter Instruction manual and data used to adjust the sound levels indicated.  SLM instruction manual title NI_52/NI_42 Description for IEC 61672-1  SLM instruction manual title NI_52/NI_42 Description for IEC 61672-1  SLM instruction manual ref / Issue No_56034_21-03 Source Rion  Date provided or internet download date 19 March 2021  Case Corrections Wind Shield Corrections Mic Pressure to Free Field Corrections  Uncertainties provided Yes Yes Yes Yes  Yes Yes Yes  Total expanded uncertainties within the requirements of IEC 61672-12013 YES  Specified or equivalent Calibrator  Customers Calibrator  Customers Calibrator Outsomer of Lab Calibrator  Customers Calibrator and date  24 May 2022  Calibrator cert. number  URT2271682  Calibrator SPL @ STP  94.02 dB Calibration reference sound pressure level  Calibrator SPL @ STP  94.02 dB Calibration check frequency  Reference level range  Baccessories used or corrected for during calibration Extension Cable & Wind Shield WS-15  Note - The Extension Cable was used between the SLM and the pre-amp for this calibration.  Environmental conditions during tests  Start End Continued Tessure 100.05 ± 0.03 FAP Ambitent Pressure 100.05 ± 0.03 FAP Ambitent P	JKAS Accredited Calibration Laboratory	Page					
SLM instruction manual title NL + S2NL + 42 Description for IEG 61672-1 SUM instruction manual ref / issue No. 56034 21-03 Source Rion  Date provided or internet download date 19 March 2021  Case Corrections Wind Shield Corrections Mic Pressure to Free Field Corrections Incertainties provided Yes Yes Yes  Otal expanded uncertainties within the requirements of IEG 61672-1-2013 YES Specified or guidalent Calibrator  Dustomer or Lab Calibrator  Customers Calibrator  Dustomer or Lab Calibrator  Customers Calibrator Calibrator Customers Calibrator  Lalibrator cal. date 24 May 2022  Calibrator cal. date 24 May 2022  Calibrator SPL © STP 94.02 dB Calibration reference sound pressure level Calibrator SPL © STP 94.02 dB Calibration reference sound pressure level Calibrator SPL © STP 94.02 dB Calibration feeck frequency  Reference level range GB Calibrator Summary State Sta							
SLM instruction manual ref / issue No. 56034 21-03 Source Rion label provided or internet download date 19 March 2021   Case Corrections Wind Shield Corrections   Wind Shield Corrections   Wind Shield Corrections   Wind Shield Corrections   Yes			und leve	ls indi	cated.		
Date provided or internet download date    19 March 2021   Case Corrections   Case Corrections   Wind Shield Corrections   Milc Pressure to Free Field Corrections		•	irce	Rion			
Case Corrections   Wind Shield Corrections   Mic Pressure to Free Field Corrections   Ves			iice	KIUII			
Uncertainties provided			Mic Press	sure to	Free F	ield C	orrections
Specified Customer or Lab Calibrator Customers Calibrator Adaptor type if applicable NC-74-002 Calibrator cal. date 24 May 2022 Calibrator cal. otale 24 May 2022 Calibrator cal. cert issued by Lab 0653 Calibrator cal cert issued by Lab 0653 Calibrator cal cert issued by Lab 0653 Calibrator cal cert issued by Lab 0653 Calibrator frequency 1001-97 Hz Calibration check frequency Reference level range BACcessories used or corrected for during calibration - Extension Cable & Wind Shield WS-15 Note-The Extension Cable was used between the SLM and the pre-amp for this calibration.  Environmental conditions during tests Start End Temperature 24.65 24.37 ± 0.30 °C Humidity 48.5 48.7 ± 3.00 %RH Ambient Pressure 100.05 100.05 ± 0.03 kPa Indication at the Calibration Check Frequency Indication at the Calibration Check Frequency Indication at the Calibration Check Frequency Indicated level 94.3 dB Adjusted indicated level 94.0 dB Indicated level 94.3 dB Adjusted indicated level 94.0 dB Indicated Roise Ministry Indicated Ind							
Customers Calibrator Calibrator NC-74-002 Calibrator adaptor type if applicable NC-74-002 Calibrator cal. date 24 May 2022 Calibrator cert. number UCRT22/1682 Calibrator SPL @ STP 94.02 dB Calibration reference sound pressure level Calibrator frequency 1001.97 Hz Calibrator frequency Reference level range Single dB Accessories used or corrected for during calibration - Extension Cable & Wind Shield WS-15 Note - The Extension Cable was used between the SLM and the pre-amp for this calibration.  Temperature 24.65 24.37 ± 0.30 °C Humidity 48.5 48.7 ± 3.00 °RH Humidity 48.5 48.7 ± 3.00 °RH Humidity 48.5 48.7 ± 0.03 RPA  Initial indicated level 94.3 dB Adjusted indicated level 94.0 dB  Incertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB  Self Generated Noise  Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C Z Z  Weighting A C Z Z  Weighting A C Z Z  Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C Z Z  Weighting A C Z  Weighting A C Z Z  Wei	Total expanded uncertainties within the requi	rements of IEC 61672-1:2013	YES				
Calibrator adaptor type if applicable 24 May 2022 Calibrator cal. date 0553 Calibrator cal. date 0563 Calibrator frequency 1001.97 Hz Calibration reference sound pressure level Calibrator frequency 1001.97 Hz Calibration check frequency Reference level range dB Calibrator frequency 1001.97 Hz Calibration check frequency Reference level range Calibrator Set of corrected for during calibration - Extension Cable & Wind Shield WS-15 Note - The Extension Cable was used between the SLM and the pre-amp for this calibration.  Environmental conditions during tests Start End Temperature 24.65 24.37 ± 0.30 °C Humilotity 48.5 48.7 ± 0.30 °C Humilotity 48.5 48.7 ± 0.30 °C Humilotity 48.5 48.7 ± 0.30 °C Humilotity 100.05 ± 0.03 kPa Indication at the Calibration Check Frequency Initial indicated level 94.0 dB Indicated level 94.3 dB Adjusted indicated level 94.0 dB Indicated Indicated Indicated Indication at the Calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB Self Generated Noise Microphone replaced with electrical input device - UR = Under Range indicated Wicrophone replaced with electrical input device - UR = Under Range indicated Wicrophone replaced with electrical input device - UR = Under Range indicated UR = Under Range indicated Indicate							
Calibrator cal. date							
Calibrator cert. number Calibrator cal cert issued by Lab Calibrator cal cert issued by Lab Calibrator Calibrator cal cert issued by Lab Calibrator Frequency Calibrator seed or corrected for during calibration - Calibration Cable was used between the SLM and the pre-amp for this calibration.  Calibrator calibrator seed or corrected for during calibration - Calibrator calibrator seed or corrected for during calibrator cal							
Calibrator cal cert issued by Lab Calibrator SPL @ STP 94.02 dB Calibration reference sound pressure level Calibrator SPL @ STP 94.02 dB Calibration reference sound pressure level Calibrator SPL @ STP 94.02 dB Calibration reference sound pressure level Calibration SPL @ STP 100.197 Hz Calibration check frequency  Reference level range Single dB  Accessories used or corrected for during calibration - Extension Cable & Wind Shield WS-15  Note - The Extension Cable was used between the SLM and the pre-amp for this calibration.  Environmental conditions during tests Start End  Temperature 24.65 24.37 ± 0.30 °C  Humidity 48.5 48.7 ± 3.00 %RH  Ambient Pressure 100.05 100.05 ± 0.03 kPa  Indication at the Calibration Check Frequency  Initial indicated level 94.3 dB Adjusted indicated level 94.0 dB  Uncertainty of calibrator used for indication at the Calibration Check Frequency ± 0.10 dB  Self Generated Noise  Microphone installed - Less Than 19.1 dB A Weighting  Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C Z  Self Generated Noise reported for information only and not used to assess conformance to a requirement  The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.  Additional Comments The results on this certificate only relate to the items calibrated as identified above.		-					
Calibrator SPL @ STP							
Calibrator frequency Reference level range Reference level Reference	-		ibration re	eferenc	e sour	nd pres	laval arriss
Reference level range Single dB  Accessories used or corrected for during calibration - Extension Cable & Wind Shield WS-15  Note - The Extension Cable was used between the SLM and the pre-amp for this calibration.  Environmental conditions during tests Start End  Temperature 24.65 24.37 ± 0.30 °C  Humidity 48.5 48.7 ± 3.00 96RH  Ambient Pressure 100.05 100.05 ± 0.03 kPa  Indication at the Calibration Check Frequency  Initial indicated level 94.3 dB Adjusted indicated level 94.0 dB  Uncertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB  Self Generated Noise  Microphone installed - Less Than 19.1 dB A Weighting  Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C C Z  Self Generated Noise reported for information only and not used to assess conformance to a requirement  The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.  Additional Comments The results on this certificate only relate to the items calibrated as identified above.						•	soure revel
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Note - The Extension Cable was used between the SLM and the pre-amp for this calibration.  Environmental conditions during tests  Start  End  Temperature  24.65  24.37  24.87  Ambient Pressure  100.05  100.05  100.05  25.03  RPa  Indication at the Calibration Check Frequency  Initial indicated level  94.3  48.7  Adjusted indicated level  94.0  48.9  Indication of Calibrator used for Indication at the Calibration Check Frequency ± 0.10  Belif Generated Noise  Microphone Installed - Less Than 19.1  Weighting A C C Z Z C C C Z C C C C C C C C C C C			& Wind S	Shield \	NS-15		
Temperature 24.65 24.37 ± 0.30 °C Humidity 48.5 48.7 ± 3.00 %RH Ambient Pressure 100.05 100.05 ± 0.03 kPa ndication at the Calibration Check Frequency Initial indicated level 94.3 dB Adjusted indicated level 94.0 dB Uncertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB Uncertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB Uncorphone installed - Less Than 19.1 dB A Weighting Microphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical input device - UR = Under Range indicated Uncorphone replaced with electrical							
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Indication at the Calibration Check Frequency Initial indicated level 94.3 dB Adjusted indicated level 94.0 dB Uncertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB Self Generated Noise  Microphone installed Less Than 19.1 dB A Weighting Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C Z  13.1 dB UR 16.9 dB UR 23.1 dB UR  Self Generated Noise reported for information only and not used to assess conformance to a requirement  The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.  Additional Comments The results on this certificate only relate to the Items calibrated as identified above.  None				±			1
Initial indicated level 94.3 dB Adjusted indicated level 94.0 dB  Incertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB  Self Generated Noise  Microphone installed - Less Than 19.1 dB A Weighting  Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C Z Z  13.1 dB UR 16.9 dB UR 23.1 dB UR  Self Generated Noise reported for information only and not used to assess conformance to a requirement  The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with JKAS requirements.  Additional Comments The results on this certificate only relate to the items calibrated as identified above.  None	-		.05	±	0.03	kPa	Щ,
Uncertainty of calibrator used for Indication at the Calibration Check Frequency ± 0.10 dB  Self Generated Noise  Microphone installed - Less Than 19.1 dB A Weighting  Microphone replaced with electrical input device - UR = Under Range indicated  Weighting A C Z  13.1 dB UR 16.9 dB UR 23.1 dB UR  Self Generated Noise reported for information only and not used to assess conformance to a requirement  The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k = 2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with JKAS requirements.  The results on this certificate only relate to the items calibrated as identified above.  None  END		-					
Self Generated Noise    Microphone installed - Less Than							
Microphone installed - Less Than	*	t the Calibration Check Frequen	cy ±		0.10		αB
Weighting A C Z    13.1   dB   UR   16.9   dB   UR   23.1   dB   UR		Q 1 dR A Weighting					
Weighting A C Z  13.1   dB   UR   16.9   dB   UR   23.1   dB   UR    Self Generated Noise reported for information only and not used to assess conformance to a requirement  The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with JKAS requirements.  Additional Comments The results on this certificate only relate to the items calibrated as identified above.  None END			ge indica	ted	i		
The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k$ =2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with JKAS requirements.  Additional Comments  The results on this certificate only relate to the items calibrated as identified above.  END  The last of the sequirement	<u> </u>	<del>, , , , , , , , , , , , , , , , , , , </del>	_	_		l	
The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor <i>k</i> = 2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with JKAS requirements.  Additional Comments  The results on this certificate only relate to the items calibrated as identified above.		16.9 dB UR		_	UR		
END	a coverage probability of approximately 95%.	. The uncertainty evaluation has	s been ca	rried o	ut in ac	ccorda	ince with
	•	certificate only relate to the iten	no cambra				
	Additional Comments The results on this		ns cambre				



#### **CALIBRATION CERTIFICATE NC74 34178103** 3.



## CERTIFICATE OF CALIBRATION





Certificate Number: UCRT22/1682 Date of Issue: 24 May 2022

Calibrated at & Certificate 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 Measurement Syst

C. Mistry

Customer Wood Group

St. Vincent Plaza (Floor 2) 319 St. Vincent Street

Glasgow G2 5LP

Order No. 26010406

Test Procedure Procedure TP 1 Calibration of Sound Calibrators

Description Acoustic Calibrator

Identification Serial No. Manufacturer Instrument Model

Calibrator NC-74 34178103 Rion

The calibrator has been tested as specified in Annex B of IEC 60942:2003. As public evidence was available from a testing organisation (PTB) responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2003, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2003.

ANV Job No. UKAS22/05346

Date Received 23 May 2022 Date Calibrated 24 May 2022

22 May 2020 Previous Certificate Dated

> Certificate No. UCRT20/1440

0653 Laboratory

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### CERTIFICATE OF CALIBRATION

Certificate Number UCRT22/1682

UKAS Accredited Calibration Laboratory No. 0653

age 2 of 2 Pages

#### Measurements

The sound pressure level generated by the calibrator in its WS2 configuration was measured five times by the Insert Voltage Method using a microphone as detailed below. The mean of the results obtained is shown below. It is corrected to the standard atmospheric pressure of 101.3 kPa (1013 mBar) using original manufacturers information.

Test Microphone Manufacturer Type

Brüel & Kjær 4134

### Results

The level of the calibrator output under the conditions outlined above was

94.02 ± 0.10 dB rel 20 µPa

#### Functional Tests and Observations

The frequency of the sound produced was  $1001.97 \pm 0.12 \text{ Hz}$ 

The total distortion was 1.61 ± 0.11 % Distortion

During the measurements environmental conditions were

 Temperature
 23
 to
 24
 °C

 Relative Humidity
 44
 to
 51
 %

 Barometric Pressure
 99.4
 to
 99.5
 kPa

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

The uncertainties refer to the measured values only with no account being taken of the ability of the instrument to maintain its calibration.

A small correction factor may need to be applied to the sound pressure level quoted above if the device is used to calibrate a sound level meter which is fitted with a free-field response microphone. See manufacturers handbook for details.

\_\_\_\_\_\_END

Note:

Calibrator adjusted prior to calibration? NO

Initial Level N/A dE

Initial Frequency N/A Hz

Additional Comments The results on this certificate only relate to the items calibrated as identified above.

None

Calibrated by: B. Bogdan R 2