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APPENDIX 11-3

CALIBRATION CERTIFICATES







Date of Issue: 22 January 2020 Certificate Number: UCRT20/1096 Issued by: ANV Measurement Systems Page of 2 Pages **Beaufort Court** Approved Signatory 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 Acoustics Noise and Vibration Ltd trading as ANV Measurement Syste **AWN Consulting** Customer The Tecpro Building IDA Business and Technology Park Clonshaugh Dublin 17

Order No.	AWNC150120QTE					
Description	Sound Level Meter / Pre-amp / Microphone / Associated Calibrator					
Identification	Manufacturer	Instrumer	nt	Туре		Serial No. / Version
	Rion	Sound L	evel Meter	NL-52		00998410
	Rion	Firmware	Э			2.0
	Rion	Pre Amp	lifier	NH-25		98624
	Rion	Micropho	one	UC-59		15916
	Rion	Calibrato	or	NC-74		34536109
		Calibrato	or adaptor typ	e if applicat	le	NC-74-002
Performance Class	1					
Test Procedure	TP 2.SLM 6167	2-3 TPS-49	9			
	Procedures from	IEC 61672-	3:2006 were u	sed to perfori	m the pe	eriodic tests.
Type Approved to IEC	61672-1:2002	YES	Approval	Number	21.2	1 / 13.02
	If YES above the applicable pattern				uccessi	fully completed the
Date Received	17 January 202	0	AN	V Job No.	UKA	S20/01036
Date Calibrated	22 January 202	0				

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 Initial Calibration	Certificate No.	Laboratory
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 Lal	poratory or other recognis	ed national metrology institutes. This
certificate may not be repr	oduced other than in full, e	xcept with the prior written	approval of the issuing laboratory.



CERTIFICATE OF CALIBRATION



Date of Issue: 22 January 2020 Certificate Number: UCRT20/1094 Issued by: ANV Measurement Systems Page of Pages Beaufort Court Approved Signatory 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 Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems **AWN** Consulting Customer The Tecpro Building IDA Business and Technology Park Clonshaugh Dublin 17 Order No. AWNC150120QTE Description Sound Level Meter / Pre-amp / Microphone / Associated Calibrator Identification Manufacturer Instrument Type Serial No. / Version Rion Sound Level Meter NL-52 00998411 Rion Firmware 20

	KIOH	rinnware		2.0
	Rion	Pre Amplifie	er NH-25	98625
	Rion	Microphone	UC-59	15917
	Rion	Calibrator	NC-74	34536109
		Calibrator a	daptor type if applical	ble NC-74-002
Performance Class	1		60. Sec. 961	
Test Procedure	TP 2.SLM 6167	2-3 TPS-49		
	Procedures from	IEC 61672-3:2	006 were used to perfor	m the periodic tests.
Type Approved to IEC	61672-1:2002	YES	Approval Number	21.21 / 13.02
			ence that the SLM has s s of IEC 61672-2:2003	successfully completed the
Date Received	17 January 202	0	ANV Job No.	UKAS20/01036
Date Calibrated	22 January 202	0		

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 Initial Calibration	Certificate No.	Laboratory
This certificate is issued	I in accordance with the	laboratory accreditation	requirements of the United King
Accreditation Service, It	provides traceability of	measurement to the SI	system of units and/or to unit

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 OF CALIBRATION



Date of Issue: 21 January 2020 Certificate Number: UCRT20/1093 Issued by: ANV Measurement Systems Page Pages Beaufort Court Approved Signatory 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 Acoustics Noise and Vibration Ltd trading as ANV Mea ent Syst Customer **AWN Consulting** The Tecpro Building

AWNC150120QTE Order No. Description Sound Level Meter / Pre-amp / Microphone / Associated Calibrator Identification Manufacturer Serial No. / Version Instrument Type Rion Sound Level Meter NL-52 00998412 Rion Firmware 2.0 Rion Pre Amplifier NH-25 98626 Rion Microphone UC-59 15919 NC-74 34536109 Rion Calibrator 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 ANV Job No. UKAS20/01036 Date Received 17 January 2020 **Date Calibrated** 21 January 2020

IDA Business and Technology Park

Clonshaugh Dublin 17

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 Initial Calibration	Certificate No.	Laboratory
This certificate is issue	d in accordance with the	laboratory accreditation	requirements of the United Kingdom
Accreditation Service. I	t provides traceability of	measurement to the S	I system of units and/or to units of
measurement realised a	t the National Physical La	aboratory or other recogn	ised national metrology institutes. This
certificate may not be ren	roduced other than in full	except with the prior writte	n approval of the issuing laboratory



Dublin 17

CERTIFICATE OF CALIBRATION



Certificate Number: UCRT20/1095 Date of Issue: 22 January 2020 Issued by: ANV Measurement Systems Page of Pages Beaufort Court Approved Signatory 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 Acoustics Noise and Vibration Ltd trading as ANV Me Customer **AWN** Consulting The Tecpro Building IDA Business and Technology Park Clonshaugh

Order No.	AWNC150120QTE				
Description	Sound Level Meter / Pre-amp / Microphone / Associated Calibrator				
Identification	Manufacturer	Instrument	Тур	e	Serial No. / Version
	Rion	Sound Leve	Meter NL-	52	00998413
	Rion	Firmware			2.0
	Rion	Pre Amplifie	er NH-	-25	98627
	Rion	Microphone	UC	-59	15920
	Rion	Calibrator	NC	-74	34536109
		Calibrator a	daptor type if ap	plicable	NC-74-002
Performance Class	1		ST 0559 06		
Test Procedure	TP 2.SLM 6167	2-3 TPS-49			
	Procedures from	IEC 61672-3:2	006 were used to	perform the pe	eriodic tests.
Type Approved to IEC	61672-1:2002	YES	Approval Numb	er 21.2	1 / 13.02
	If YES above the applicable patterr				ully completed the
Date Received	17 January 202	0	ANV Job	No. UKA	S20/01036
Date Calibrated	22 January 202	0			

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 Initial Calibration	Certificate No.	Laboratory	
This certificate is issued	in accordance with the	e laboratory accreditation	requirements	of the United Kingo
Accreditation Service It	provides traceability of	measurement to the S	l system of u	nits and/or to units

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 OF CALIBRATION



Date of Issue: 15 August 2018 Issued by: ANV Measurement Systems		Certific	Certificate Number: UCRT18/1831 Page 1 of 2 Pages			
Beaufort Court		Approved	Signatory			
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 Securities Nelse and Vibretine Lid tealing as ANY Measurement Gystems		J. Harrima	J. Harriman			
Customer	AWN Consultin The Tecpro Bu	g Limited				
	Dublin 17 Ireland					
Order No.	1869					
Description	Sound Level M	eter / Pre-amp / Microph	none / Associa	ated Calibrator		
Identification	Manufacturer	Instrument	Type	Serial No. / Version		
	Rion	Sound Level Meter	NL-52	00586940		
	Rion	Firmware		1.9		
	Rion	Pre Amplifier	NH-25	87059		
	Rion	Microphone	UC-59	13402		
	Rion	Calibrator	NC-74	34536109		
		Calibrator adaptor ty	pe if applicable	e NC-74-002		
Performance Class	1					
Test Procedure	TP 2.SLM 6167	2-3 TPS-49 IEC 61672-3:2006 were (used to perform	the periodic tests		
Type Approved to IEC		YES Approval		21.21 / 13.02		
		re is public evidence that t n evaluation tests of IEC 6		ccessfully completed the		
Date Received Date Calibrated	13 August 2018 15 August 2018		V Job No.	UKAS18/08513		
The sound level met	er submitted for te	esting has successfully		e class 1 periodic tests of IE		

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

ficate Dated Initial Calibration Certificate No.

Laboratory

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.