Certificate of Calibration



Instrument Manufacturer	Cirrus Research Plc
Instrument Type	CR:1710
Description	Sound Level Meter
Serial Number	G066350

Calibration Procedure

Equipment Details

Calibration Procedure The instrument detailed above has been calibrated to the publish test and calibration data as detailed in the instrument hand book, using the techniques recommended in the latest revisions of the International Standards IEC 61672-1:2013, IEC 61672-1:2002, IEC 60651:1979, IEC 60804:2001, IEC 61260:1995, IEC 60942:2003, IEC 60942:1997, IEC 61252:1993, ANSI S1.4-1983, ANSI S1.11-1986 and ANSI S1.43-1997 where applicable. Sound Level Meters: All Calibration procedures were carried out by substituting the microphone capsule with a suitable electrical signal, apart from the final acoustic calibration.

	above was calibrated again al Standards {A.0.6}. The		tory standards h	eld by Cirrus Research J	olc. These are
Microphone Type	B&K 4192	Serial Number	1920791	Calibration Ref.	S6450
Pistonphone Type	B&K 4220	Serial Number	613843	Calibration Ref.	S6388

Calibrated by

Calibration Date Calibration Certificate Number

T. A. Goodmit. 21 May 2018 260220

Cirrus Research ple, Acoustic House, Bridlington Road, Hunmanby, North Yorkshire, YO14 0PH Telephone: +44 (0) 1723 891655 Fax: +44 (0) 1723 891742 Email: sales@cirrusresearch.co.uk

Page 11 of 13

Certificate of Calibration



Equipment Details

 Instrument Manufacturer
 Circurs Research Ple

 Instrument Type
 CR:171B

 Description
 Sound Level Meter

 Serial Number
 G056142

Calibration Procedure

The instrument detailed above has been calibrated to the publish test and calibration data as detailed in the instrument hand book, using the techniques recommended in the latest revisions of the International Standards IEC 61672-1:2013, IEC 61672-1:2003, IEC 60651:1979, IEC 60804:2001, IEC 61260:1995, IEC 60942:2003, IEC 60942:1997, IEC 61252:1993, ANSI SI.4-1983, ANSI SI.43-1986 and ANSI SI.43-1997 where applicable. Sound Level Meters: All Calibration procedures were carried out by substituting the microphone capsule with a suitable electrical signal, apart from the final acoustic calibration.

	Calibration Trac	eability		
l above was calibra	ted against the calibration	ation laboratory	standards held by Cir	rus Research
to International S	tandards {A.0.6}. The	e standards are:		
B&K 4192	Serial Number	1920791	Calibration Ref.	S6450
B&K 4220	Serial Number	613843	Calibration Ref.	S6388
	e to International S B&K 4192	l above was calibrated against the calibr to International Standards {A.0.6}. The B&K 4192 Serial Number	e to International Standards {A.0.6}. The standards are: B&K 4192 Serial Number 1920791	above was calibrated against the calibration laboratory standards held by Cir to International Standards {A.0.6}. The standards are: B&K 4192 Serial Number 1920791 Calibration Ref.

Calibrated by

28 February 2018

Calibration Date Calibration Certificate Number

> Cirrus Research plc, Acoustic House, Bridlington Road, Hunmanby, North Yorkshire, YO14 0PH Telephone: +44 (0) 1723 891655 Fax: +44 (0) 1723 891742 Email: sales@cirrusresearch.co.uk

257652

Certificate of Calibration



Instrument Manufactu	urer Cirrus Research Plc
Instrument Type	CR:171A
Description	Sound Level Meter
Serial Number	G061253

Calibration Procedure

Equipment Details

Calibration Procedure The instrument detailed above has been calibrated to the publish test and calibration data as detailed in the instrument hand book, using the techniques recommended in the latest revisions of the International Standards IEC 61672-1:2013, IEC 61672-1:2002, IEC 60651:1979, IEC 60804:2001, IEC 61260:1995, IEC 60942:2003, IEC 60942:1997, IEC 61252:1993, ANSI S1.4-1983, ANSI S1.11-1986 and ANSI S1.43-1997 where applicable. Sound Level Meters: All Calibration procedures were carried out by substituting the microphone capsule with a suitable electrical signal, apart from the final acoustic calibration.

		Calibration Trac	ability		
The equipment detailed traceable to Internationa			oratory standards	held by Cirrus Research	plc. These are
Microphone Type	GRAS 40AP	Serial Number	173198	Calibration Ref.	0170
Calibrator Type	B&K 4231	Serial Number	2564324	Calibration Ref.	A1914
Calibrator Type	B&K 4231	Serial Number	2564325	Calibration Ref.	A1915
Calibrator Type	B&K 4231	Serial Number	2594796	Calibration Ref.	A1916

Calibrated by

Calibration Date Calibration Certificate Number

T. A. Gooduit. 07 June 2019 271436

Cirrus Research plc, Acoustic House, Bridlington Road, Hunmanby, North Yorkshire, YO14 0PH Telephone: +44 (0) 1723 891655 Fax: +44 (0) 1723 891742 Email: sales@cirrusresearch.co.uk