
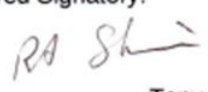



APPENDIX 13.5

Calibration Certificates of Noise Instruments

	<p style="text-align: center;">MTS Calibration Ltd, The Grange Business Centre, Belasis Avenue, Billingham TS23 1LG, England Telephone: 01642 876 410</p>																				
CERTIFICATE OF CALIBRATION																					
<p>Issued by: MTS Calibration Ltd</p> <p>Date of Issue: 13 February 2025 Certificate Number: 40479</p>	<p>Page 1 of 11 pages</p> <p>Approved Signatory:  Tony Sherris</p>																				
Sound Level Meter																					
Sound Level Meter Periodic Tests to EN 61672-3: 2013 Class 1																					
<p>Client: Environmental Measurements Unit 12, Tallaght Business Centre Whitestown Business Park Co.Dublin 24, Ireland</p>	<p>Instrument Make: Larson Davis Instrument Model: LxT1L Serial Number: 0005990</p>																				
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Additional tests performed		Reference																			
Microphone full frequency response		40481		See additional certificate																	
Filter calibration, third octave or octave		40482		See additional certificate																	
Calibrator calibration		40483U		See additional UKAS certificate																	
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England
Telephone: 01642 876 410

CERTIFICATE OF CALIBRATION

Page 1 of 11 pages

Approved Signatory:


Tony Sherris

Issued by: MTS Calibration Ltd

Date of Issue: 13 February 2025 **Certificate Number:** 40484

Sound Level Meter

Sound Level Meter Periodic Tests to EN 61672-3: 2013 Class 1

Client: Environmental Measurements
 Unit 12, Tallaght Business Centre
 Whitestown Business Park
 Co.Dublin 24, Ireland

Instrument Make: Larson Davis
Instrument Model: LxT1L
Serial Number: 0006869

	Associated Equipment	Make	Model	Serial number
5	Pre-amplifier	PCB	PRMLxT1L	070113
	Microphone	PCB	377B02	333781
	Calibrator	Larson Davis	CAL200	9175
	Calibrator supplied by	MTS for this calibration		

The measurements were performed at The Grange Business Centre, Belasis Avenue, TS23 1LD. The results only apply to the items tested.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013 Class 1

MTS Work procedure WP21 issue C3 test results summary, detailed results are shown on subsequent pages.


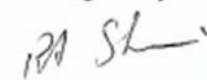
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Additional information			2	
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Long term stability	15	Complies	3	
High stability	21	Complies	3	
Acoustic Tests	12	Complies	4	
Frequency Weighting A	13	Complies	5	
Frequency Weighting C	13	Complies	6	
Frequency Weighting Z	13	Complies	7	
Level Linearity	16	Complies	8	
Level Linearity Range Control	17	n/a	n/a	SLM only has one range
Tone-burst Response	18	Complies	9	
Peak C sound level	19	Complies	10	
Overload indication	20	Complies	11	


The instrument was within the above specification as received - no modifications were made

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

Additional tests performed	Reference	
Microphone full frequency response	40486	See additional certificate
Filter calibration, third octave or octave	40487	See additional certificate

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 Billingham TS23 1LG,
 England
 Telephone: 01642 876 410

CERTIFICATE OF CALIBRATION

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Issued by: **MTS Calibration Ltd**

Approved Signatory:

Date of Issue: **21 October 2024** Certificate Number: **40113**

Tony Sherris

Sound Level Meter

Sound Level Meter Periodic Tests to EN 61672-3: 2013 Class 1

Client: Environmental Measurements
 Unit 12, Tallaght Business Centre
 Whitestown Business Park
 Co.Dublin 24, Ireland

Instrument Make: Larson Davis
Instrument Model: LxT1L
Serial Number: 0005991

Associated Equipment	Make	Model	Serial number
Preamplifier	PCB	PRMLxT1L	055663
Microphone	PCB	377B02	355683
Calibrator	Larson Davis	CAL200	9175
Calibrator supplied by	MTS for this calibration		

The measurements were performed at The Grange Business Centre, Belasis Avenue, TS23 1LD. The results only apply to the items tested.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013 Class 1

MTS Work procedure WP21 issue C3 test results summary, detailed results are shown on subsequent pages.

Tests performed	Section	Results of test	Page	Comments
Calibration Certificate	22		1	
Additional Information			2	
Indication with Calibrator Supplied	10	No Limit	3	
Self-Generated Noise	11	No Limit	3	
Frequency and Time-weightings at 1kHz	14	Complies	3	
Long term stability	15	Complies	3	
High stability	21	Complies	3	
Acoustic Tests	12	Complies	4	
Frequency Weighting A	13	Complies	5	
Frequency Weighting C	13	Complies	6	
Frequency Weighting Z	13	Complies	7	
Level Linearity	16	Complies	8	
Level Linearity Range Control	17	n/a	n/a	SLM only has one range
Tone-burst Response	18	Complies	9	
Peak C sound level	19	Complies	10	
Overload indication	20	Complies	11	

The instrument was within the above specification as received - no modifications were made

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

Additional tests performed	Reference	
Microphone full frequency response	397B3	See additional certificate
Filter calibration, third octave or octave	40113F	See additional certificate

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