

APPENDIX J

SOUND LEVEL METER CALIBRATION CERTIFICATIONS

Excalibur Engineering

11 Musick
Irvine, CA 92618
Phone : (949) 454-6603
Fax : (949) 454-6642

Certificate Of Calibration

Customer LSA
Report # 40162-1
Date Received FRIDAY, MARCH 17, 2006
Manufacturer LARSON DAVIS
Model # 824
Description SOUND LEVEL METER

Dept. N/A
Bar Code #
P.O. # VERBAL-JASON
Serial # 824A1612
Asset # NAN

Calibration Information

Date Calibrated 3/23/2006 Calibration Due Date 3/23/2007 Calibration Interval 12
Maintenance Procedure 4226
Temperature 24 ° C Humidity 32 % Calibration Performed By 6
Accuracy ANSI Type 1

Condition Received

Received In Tolerance

Remarks Unit tested to ANSI TYPE 1 specifications under laboratory conditions.

Condition Returned

Returned In Tolerance

Remarks

Standards Employed

ID #	Manufacturer	Model #	Description	Calibration Expires
089	BRUEL & KJAER	4228	PISTONPHONE	12/2/2007
878	BRUEL & KJAER	4226	SLM CALIBRATOR	11/9/2006
178	AGILENT	34401A	6 1/2 DIGIT MULTIMETER	8/5/2006

Excalibur Engineering, Inc. certifies that the instrument specified above meets the manufacturer's specifications and has been calibrated using Standards and Instruments also listed above whose accuracies are traceable to the National Institute of Standards and Technology(NIST), and the calibration systems and records are in compliance to ISO-10012 and ANSI Z540-1-1994.

This certificate/report shall not be reproduced without written approval of Excalibur Engineering, Inc.

Approved By



MAR 23 2006

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Certificate Of Calibration

Customer	LSA	Dept.	N/A
Report #	40162-2	Bar Code #	
Date Received	FRIDAY, MARCH 17, 2006	P.O. #	VERBAL-JASON
Manufacturer	LARSON DAVIS	Serial #	3228
Model #	CAL200	Asset #	NAN
Description	PRECISION ACOUSTIC CALIBRATOR		

Calibration Information

Date Calibrated	3/23/2006	Calibration Due Date	3/23/2007	Calibration Interval	12
Maintenance Procedure	1211				
Temperature	24 ° C	Humidity	32 %	Calibration Performed By	6
Accuracy	± .2 dB				

Condition Received

Received In Tolerance
Remarks See data sheet.

Condition Returned

Returned In Tolerance
Remarks

Standards Employed

ID #	Manufacturer	Model #	Description	Calibration Expires
089	BRUEL & KJAER	4228	PISTONPHONE	12/2/2007
043	BRUEL & KJAER	4190	1/2" CONDENSER MICROPHONE	4/17/2006
051	BRUEL & KJAER	2639	MICROPHONE PREAMPLIFIER	1/16/2007
949	BRUEL & KJAER	2636	MEASURING AMPLIFIER	12/21/2006
938	AGILENT	8903B	20HZ100KHZ AUDIO ANALYZER	12/28/2006
713	FLUKE	8920A	20 MHZ TRUE RMS VOLTMETER	7/19/2006

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Certificate Of Calibration

Customer LSA
Report # 40162-3
Date Received FRIDAY, MARCH 17, 2006
Manufacturer LARSON DAVIS
Model # 2541
Description MICROPHONE

Dept. N/A
Bar Code #
P.O. # VERBAL-JASON
Serial # 7977
Asset # NAN

Calibration Information

Date Calibrated 3/23/2006 Calibration Due Date 3/23/2007 Calibration Interval 12
Maintenance Procedure 1371
Temperature 24 ° C Humidity 32 % Calibration Performed By 6
Accuracy ±1.2dB

Condition Received

Received In Tolerance
Remarks Microphone sensitivity @ - 28.03dB Re IV/Pa
Unable to chart frequency response at this time.

Condition Returned

Returned In Tolerance
Remarks

Standards Employed

ID #	Manufacturer	Model #	Description	Calibration Expires
089	BRUEL & KJAER	4228	PISTONPHONE	12/2/2007
043	BRUEL & KJAER	4190	1/2" CONDENSER MICROPHONE	4/17/2006
051	BRUEL & KJAER	2639	MICROPHONE PREAMPLIFIER	1/16/2007
941	BRUEL & KJAER	1049	SINE & NOISE GENERATOR	9/9/2006
949	BRUEL & KJAER	2636	MEASURING AMPLIFIER	12/21/2006
938	AGILENT	8903B	20HZ100KHZ AUDIO ANALYZER	12/28/2006
655	BRUEL & KJAER	4142	MICRPHN CALIB APPARATUS	6/1/2010
923	BRUEL & KJAER	2706	POWER AMPLIFIER	4/25/2006
713	FLUKE	8920A	20 MHZ TRUE RMS VOLTMETER	7/19/2006

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