

Calibration Certificates



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Certificate of Calibration

Certificate No. ATS09-060-CC002

Customer: **Aeolian View Consultants**
Room 1907 Tung Che Commercial Centre,
246 Des Voeux Road West,
Hong Kong

Item Tested

Description:	Sound Analyzer	, Microphone
Manufacturer:	Svantek	
Type No.:	Svan-959	, 40AE
Serial No.:	11238	, 69242

Test Conditions

Temperature:	23°C
Relative Humidity:	62%

Test Specifications: Calibration Check

Date of calibration: 27 January 2010

Test Results: All calibration points are within manufacturer's specification.

The test equipment used for calibration is traceable to National Standards via:
- Standards and Calibration Laboratory, the Government of the HKSAR

Certified by:



Y. T. Leung
MIOA, MHKIOA

Issue Date: 27 January 2010

Certificate No.: ATS09-060-CC002

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1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.

2. Calibration equipment:

Description: Acoustical Calibrator
 Manufacturer: Brüel & Kjær
 Type No.: 4231
 Serial No.: 2478237
 Last Calibration Date: 17 July 2009
 Certificate No.: DC090126

3. The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.

4. Calibration Results

Setting of unit-under-test (UUT)				Applied value		UUT Reading, dB		
Range, dB	Parameter	Frequency Weighting	Response	Level, dB	Frequency, Hz			
20-120	SPL	A	F	94.03	1000	94.0		
			S			94.0		
			I			94.0		
		C	F			94.0		
			S			94.0		
			I			94.0		
		L	F			94.0		
			S			94.0		
			I			94.0		
		A	F			114.04	1000	114.0
			S					114.0
			I					114.0

5. The Sound Level Meter has been calibrated in accordance with the requirements as specified in IEC 60651 and IEC 60804 type 1, and vendor specific procedures.



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Certificate of Calibration

Certificate No. ATS10-063-CC001

Customer: **Aeolian View Consultants**
Room 1907 Tung Che Commercial Centre,
246 Des Voeux Road West,
Hong Kong

Item Tested

Description:	Sound Analyzer	, Microphone
Manufacturer:	Svantek	
Type No.:	Svan-959	, 40AE
Serial No.:	11238	, 69242

Test Conditions

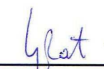

Temperature:	20°C
Relative Humidity:	65%

Test Specifications: Calibration Check

Date of calibration: 27 January 2011

Test Results: All calibration points are within manufacturer's specification.

The test equipment used for calibration is traceable to National Standards via:
- Standards and Calibration Laboratory, the Government of the HKSAR

Certified by:  
Y. T. Leung
MIOA, MHKIOA

Issue Date: 27 January 2011

Certificate No.: ATS10-063-CC001

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1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.

2. Calibration equipment:

Description: Acoustical Calibrator
 Manufacturer: Brüel & Kjær
 Type No.: 4231
 Serial No.: 2478237
 Last Calibration Date: 16 July 2010
 Certificate No.: DC100132

3. The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.

4. Calibration Results

Setting of unit-under-test (UUT)				Applied value		UUT Reading, dB		
Range, dB	Parameter	Frequency Weighting	Response	Level, dB	Frequency, Hz			
20-120	SPL	A	F	94.03	1000	94.0		
			S			94.0		
			I			94.0		
		C	F			94.0		
			S			94.0		
			I			94.0		
		L	F			94.0		
			S			94.0		
			I			94.0		
		A	F			114.04	1000	114.0
			S					114.0
			I					114.0

5. The Sound Level Meter has been calibrated in accordance with the requirements as specified in IEC 60651 and IEC 60804 type 1, and vendor specific procedures.

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Certificate of Calibration

Certificate No. ATS09-060-CC003

Customer: **Aeolian View Consultants**
Room 1907 Tung Che Commercial Centre,
246 Des Voeux Road West,
Hong Kong

Item Tested

Description: Sound Level Calibrator
Manufacturer: Svantek
Type No.: SV-30A
Serial No.: 7441

Test Conditions


Temperature: 23°C
Relative Humidity: 62%

Test Specifications: Calibration Check

Date of calibration: 27 January 2010

Test Results: All calibration points are within manufacturer's specification.

The test equipment used for calibration is traceable to National Standards via:
- Standards and Calibration Laboratory, the Government of the HKSAR,
- The Calibration Laboratory, DA

Certified by: 
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MIOA, MHKIOA



Issue Date: 27 January 2010

Certificate No.: ATS09-060-CC003

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1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.
2. Calibration equipment:

	Type	Serial No.	Last Calibration Date	Calibration Report Number	Traceable to
PULSE Frequency Analyzer	3560-B	2454296	15-Aug-2005	CA052169	DANAK
Reference Microphone*	B&K 4942	2497997	19-Mar-2009	LF090028	SCL, HKSAR

3. Calibration Results

Nominal value dB	Measured value dB	Expanded Measurement Uncertainty of Reference Microphone B&K 4942 at 1000 Hz	
		dB	mV/Pa
94.00	94.00	0.08	0.40



Certificate of Calibration

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Customer: **Aeolian View Consultants**
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Item Tested

Description: Sound Level Calibrator
Manufacturer: Svantek
Type No.: SV-30A
Serial No.: 7441

Test Conditions


Temperature: 20°C
Relative Humidity: 65%

Test Specifications: Calibration Check

Date of calibration: 27 January 2011

Test Results: All calibration points are within manufacturer's specification.

The test equipment used for calibration is traceable to National Standards via:
- Standards and Calibration Laboratory, the Government of the HKSAR,
- The Calibration Laboratory, DANAK

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1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.
2. Calibration equipment:

	Type	Serial No.	Last Calibration Date	Calibration Report Number	Traceable to
PULSE Frequency Analyzer	3560-B	2454296	16-Aug-2010	LF100096	SCL, HKSAR
Reference Microphone*	B&K 4942	2497997	16-Mar-2010	LF100032	SCL, HKSAR

3. Calibration Results

Nominal value dB	Measured value dB	Expanded Measurement Uncertainty of Reference Microphone B&K 4942 at 1000 Hz	
		dB	mV/Pa
94.00	94.00	0.08	0.40