

Acoustical Calibrator Test Report No.:None

Manufacturer: Norsonic
Type: 1253-250
Serial no: 22909

Customer: Scantek, Inc.
Department:
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Order No:
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Measurement Results:

	Level: (dB)	P. Stab : (dB)	Frequency: (Hz)	F. Stab : (%)	Distortion: (% TD)
1:	124.00		251.20	0.00	0.26
2:	124.01		251.20	0.00	0.28
3:	124.01		251.20	0.00	0.27
Result (Average) :	124.01		251.20	0.00	0.27
Expanded Uncertainty:	0.12		0.25	0.01	0.10
Degree of Freedom:	>100		>100	>100	>100
Coverage Factor:	2.00		2.00	2.00	2.00

The stated level is relative to 20 μ Pa.

The following correction factors have been applied during the measurement:
Pressure:0.0005 dB/kPa Temperature: None Relative humidity: None
Reference microphone: 4134-906763. Volume correction: 0.000 dB
Records:Z:\Calibration Lab\Cal 2011\NOR1253-250_22909_M3.nmf

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA publication EA-4/02.

Tested with B&K4134 s/n 906763 (sensitivity 12.078 mV/Pa).

Environmental conditions:

Pressure: 99.769 \pm 0.002 kPa Temperature: 23.2 \pm 1.1 $^{\circ}$ C Relative humidity: 58.2 \pm 2.2 %RH

Date of calibration: 7/19/2011
Date of issue: 7/21/2011

Supervisor : Mariana Buzduga
Measurements performed by: