

NO: SAMM 1046

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LABORATORY LOCATION:
(PERMANENT LABORATORY)

ABSOLUTE INSTRUMENT SDN. BHD.
UNIT C-11-06, SUNWAY NEXIS OFFICE SUITE
NO.1, JALAN PJU 5/1, KOTA DAMANSARA
47810 PETALING JAYA
SELANGOR
MALAYSIA

FIELD OF CALIBRATION:

ACOUSTIC

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of $k=2$ unless stated otherwise.**

SCOPE OF CALIBRATION: ACOUSTIC

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty ($\pm$)*	Remarks
Measuring Instrument: Sound Level Meter	Nominal SPL 94 dB, 104 dB & 114 dB Reference 94 dB re 20 μ Pa at 1kHz 31.5 Hz to 1000 Hz 2000 Hz to 8000 Hz	0.3 dB 0.3 dB 0.4 dB	Generating using Bruel & Kjaer 4226 (or equivalent sound source)
	79 dB to 129 dB 63 Hz to 16 000 Hz	0.3 dB	Electrical signal injection from signal generator
Sourcing/Generating Instrument: Sound Calibrator	Nominal SPL 94 dB, 104 dB & 114 dB Reference 94 dB re 20 μ Pa at 1kHz at 250 Hz	0.3 dB 0.3 dB	Comparison with reference calibrator Bruel & Kjaer 4226 (or equivalent sound source)

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SCOPE OF CALIBRATION: ACOUSTIC

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty ($\pm$)*	Remarks
Measuring Instrument: Noise Dosimeter	Nominal SPL 94 dB, 104 dB & 114 dB Reference 94 dB re 20 μ Pa at 1kHz	0.3 dB	Generating using Bruel & Kjaer 4226 (or equivalent sound source)
	31.5 Hz to 1000 Hz	0.3 dB	
	2000 Hz to 8000 Hz	0.4 dB	
	79 dB to 129 dB 63 Hz to 16 000 Hz	0.3 dB	Electrical signal injection from signal generator