

Acoustics, Ultrasound and Vibration, Belarus, BelGIM (Belarussian State Institute for Metrology)

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of Confidence	Is the expanded uncertainty a relative one?	NMI Internal Service Identifier
Pressure sensitivity level	Measurement microphones type LS1, WS1	Joint comparison in closed coupler			dB (reference: 1 V/Pa)	Frequency	63 Hz to 1 kHz	0.1	dB	2	95%	No	COO-AUV-BelGIM-1101
Pressure sensitivity level	Measurement microphones type LS2, WS2	Joint comparison in closed coupler			dB (reference: 1 V/Pa)	Frequency	63 Hz to 1 kHz	0.12	dB	2	95%	No	COO-AUV-BelGIM-1102
Sound pressure level	Pistonphone or sound calibrator. Single frequency 125 Hz to 1 kHz	Calibrated measurement microphone	70	130	dB (reference: 20 µPa)	Microphone type	LS1P	0.1	dB	2	95%	No	COO-AUV-BelGIM-1201
Sound pressure level	Pistonphone or sound calibrator. Single frequency 125 Hz to 1 kHz	Calibrated measurement microphone	70	130	dB (reference: 20 µPa)	Microphone type	WS1P	0.12	dB	2	95%	No	COO-AUV-BelGIM-1202
Sound pressure level	Pistonphone or sound calibrator. Single frequency 125 Hz to 1 kHz	Calibrated measurement microphone	70	130	dB (reference: 20 µPa)	Microphone type	LS2P	0.12	dB	2	95%	No	COO-AUV-BelGIM-1203
Sound pressure level	Sound calibrator. Single frequency 125 Hz to 1 kHz	Calibrated measurement microphone	70	130	dB (reference: 20 µPa)	Microphone type	WS2P	0.16	dB	2	95%	No	COO-AUV-BelGIM-1204
Sound pressure response level	Sound level meter	Joint comparison in closed coupler	124	124	dB (reference: 20 µPa)	Frequency	63 Hz to 1 kHz	0.15	dB	2	95%	No	COO-AUV-BelGIM-1301
Free-field response level	Sound level meter	Sequential comparison in free-field	70	90	dB (reference: 20 µPa)	Frequency	40 Hz to 12.5 kHz	0.50	dB	2	95%	No	COO-AUV-BelGIM-1302