

Acoustics and Vibration

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
¹ Sound Level Meter	94 dB 114 dB	0.15 dB 0.15 dB	Sound Level Calibrator
¹ Vibration Meter w/Sensor Acceleration Velocity Displacement	40 Hz (0 to 50) m/s ² (RMS) 160 Hz (0 to 50) m/s ² (RMS) 1 kHz (0 to 20) m/s ² (RMS) 5 kHz (0 to 20) m/s ² (RMS) 40 Hz (0 to 50) mm/s (RMS) 160 Hz (0 to 50) mm/s (RMS) 40 Hz (0 to 50) μm (RMS) 160 Hz (0 to 50) μm (RMS)	1.6 % of reading 1.5 % of reading 1.5 % of reading 2.4 % of reading 1.5 % of reading 2.7 % of reading 3.2 % of reading 3.2 % of reading	Vibration Calibrator