



LISTENINC

SCM Measurement Microphones

SCM measurement microphones are robust, free-field microphones designed for the rigorous environment of a production line without compromising the accuracy, precision, and stability required for R&D. The 5.4 mm pre-polarized condenser cartridge incorporates a gold vertically mounted diaphragm specially designed to withstand high humidity and temperature conditions often found in many production environments.

Individual calibration charts* are supplied with each microphone along with the calibration data on a 3½ inch floppy disk. The data formats are ASCII text and the DAT format used by the Listen Sound-Check® software.

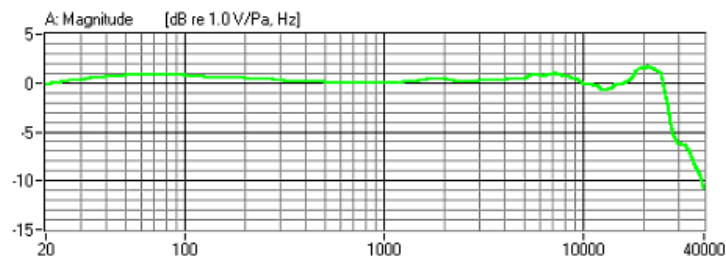


SCM Measurement Microphones are robust, free-field microphones designed for high accuracy production line measurements

Specifications

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Cartridge Type	Pre-polarized condenser element, vertical diaphragm
Directional characteristics	Omni-directional
Frequency Response	20 Hz - 20 kHz \pm 2 dB
Nominal Sensitivity	6 mV/Pa (SCM-1) and 20 mV/Pa (SCM-2)
Equivalent noise level	26 dBA (SCM-1) and 23 dBA (SCM-2)
Max. SPL	144 dB (SCM-1) and 134 dB (SCM-2)
Distortion	123 dB SPL peak (<1% THD)
Operating Temperature range	-30C to +70°C (-22 °F)to 158 °F)
Operating Humidity range	0 to 100 % RH (without condensation)
Output Impedance	30 - 40 Ohms (built-in preamplifier)
Cable drive capability	Up to 300 m (-0.2V at 20 kHz with 114 dB SPL)
Dimensions	Length: 9.3 cm (3.6 in) Diameter: 5.4 mm (0.21 in)
Cable	1.75 m (5.75 ft)
Connector	7-pin Lemo
Weight	~ 14 grams (0.5 ounces)
Accessories	Wind screen, calibrator, microphone holder, extension cable

SCM On-axis frequency response



* NIST and other traceable calibration available upon request.

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PRODUCT DATA