



SCM-4 and SCM-4A Measurement Microphones



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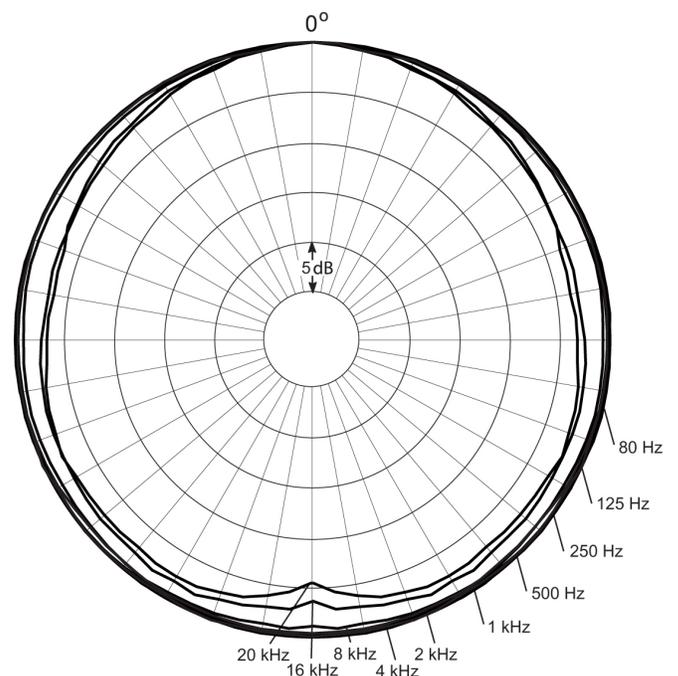
The SCM-4 and SCM-4A measurement microphones are robust, free-field microphones designed for the rigorous environment of a production line without compromising the accuracy, precision, and stability required for R&D. The same microphone cartridge is used in both models; the only difference is the length and weight. The SCM-4 is our standard microphone and the SCM-4A is a short version designed for production line use in confined spaces, and is a dimensional replacement for other popular microphone brands.

The SCM-4 contains a 1/4" pre-polarized condenser cartridge with a gold diaphragm for sensitivity and stability. Its rugged stainless steel protection grid shields it from rough operator handling and the high humidity and temperatures of industrial environments to ensure long operating life. It offers excellent omni-directionality in both the near field and far field which makes it suitable for many different test configurations.

Each microphone is calibrated before it leaves our facility, and calibration correction curves are available on request in formats suitable for importing into SoundCheck® or other test systems. NIST and other traceable calibrations are available upon request.

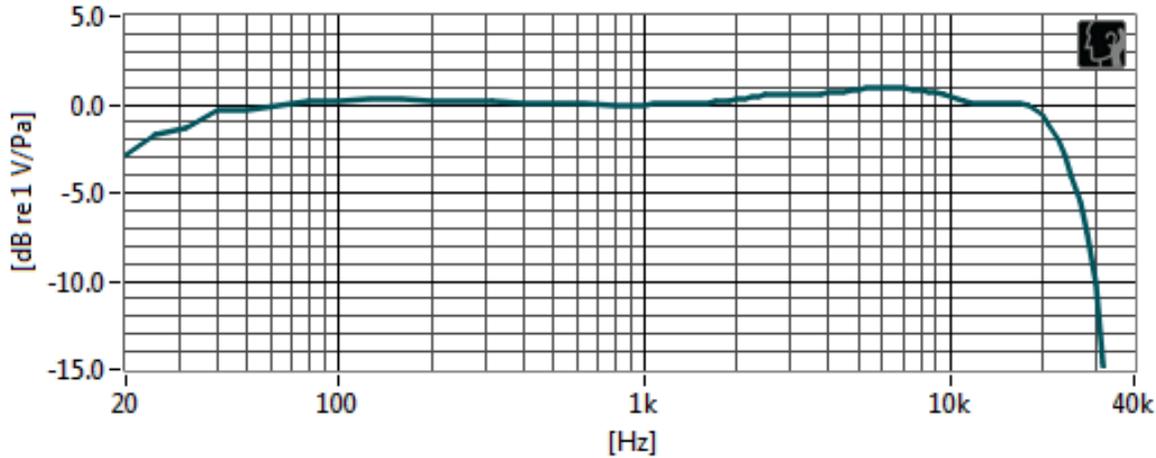
* Note: The SCM-4 is the successor to our popular SCM-3 and features improved dynamic range (THD), but is otherwise identical in performance and dimensions to the SCM-3. It handles SPL up to 126dB with <1% THD, an enhancement over the 123dB offered by the SCM-3.

Directional Response



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On-Axis Frequency Response



Specifications

Specifications	
Cartridge Type	Pre-polarized condenser element
Directional characteristics	Omni-directional
Frequency Response	20 Hz - 20 kHz \pm 2 dB
Nominal Sensitivity	20 mV/Pa
Equivalent noise level	23 dBA
Max. SPL	134 dB
Distortion	126 dB SPL peak (<1% THD)
Powering	5 to 50 Volts, supplied via R = (Vdc - 2.5V)/1mA
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 & weight (SCM 3)	L: 9.3 cm (3.6 in) \varnothing : 7 mm (0.28 in) Weight: ~ 8.4 grams (0.3 oz)
Dimensions & weight (SCM 3A)	L: 3.4cm (1.3 in) \varnothing : 7 mm (0.28 in) Weight: ~ 3.8 grams (0.13 oz)
Cable (SCM 3 only)	1.8 m (5.9 ft)
Connector Adapter	10-32 Microdot Jack to 7-pin Lemo or BNC (specify at time of order)
Included Accessories (SCM 3)	Case, Wind screen, microphone holder, extension cable and LEMO or BNC adapter
Included Accessories (SCM 3A)	None

Ordering Information

SCM Microphones

4012	SCM-4 mic only (no cables)
4012k	SCM-4 kit with LEMO connector
4012kb	SCM-4 kit with BNC Connector
4012s	SCM-4A mic only (no cables)
4012sl	SCM-4A kit with LEMO Connector
4012sc	SCM-4A kit with BNC Connector

Accessories

4005	Listen SCM microphone holder for tripods, 1/4-20 thread type
4011	Calibrator adaptor for SCM-3 microphone
4013	LEMO to Microdot adapter
4014	BNC to Microdot adapter
5710	Microdot to XLR adapter for SCM-3 and RME FF 800 and UCX

Cables

4006-T	Microphone cable, 1.8 meter female to male 10-32 microdot connectors, rubber connector body fits inside microphone cable to provide a sealed connection.
4006-5M	Microphone cable, 5 meter (same as above)
4006-10M	Microphone cable, 10 meter (same as above)
Pasternack.com	Female PE44361 to Male PE44351 (10-32 microdot connectors), 50 Ohm RG174A/U cable, cable length made to order.

NOTE: Specifications are subject to change. Please contact Listen for current information or questions.