



### SCM-3 and SCM-3A Measurement Microphones



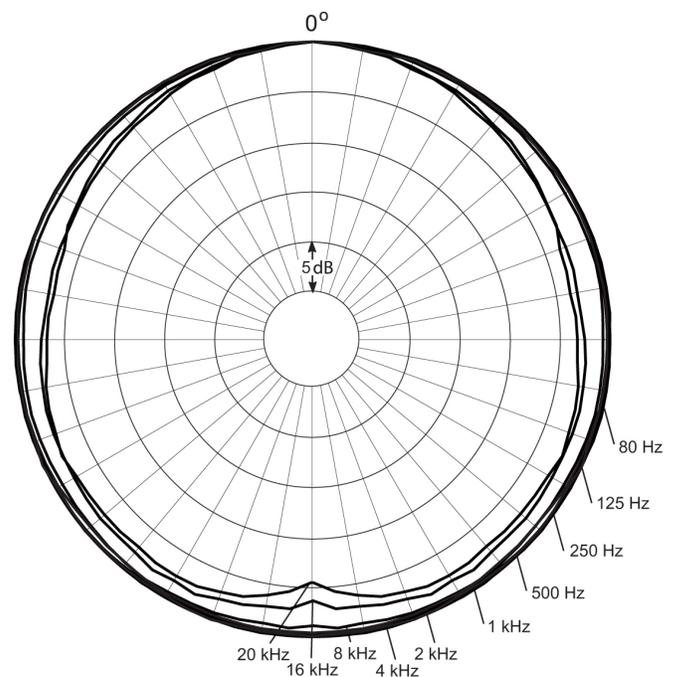
SCM-3 and SCM-3A Measurement Microphones

The SCM-3 and SCM 3A 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-3 is our standard microphone and the SCM-3A is a short version designed for confined spaces e.g. production line use or microphone arrays, and is a dimensional replacement for other popular microphone brands

The SCM microphones contain 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.

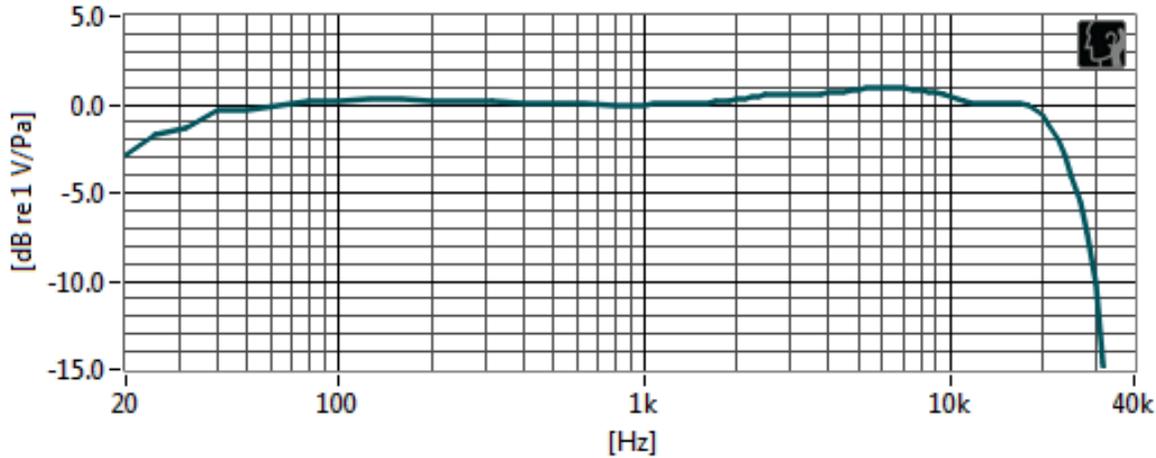
Each microphone is calibrated before it leaves our facility, and calibration correction curves are available on request in formats suitable for importing into SoundCheck® or other test systems. NIST and other traceable calibrations are available upon request.

#### Directional Response



## SCM-3 and SCM-3A Measurement Microphones

### 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	123 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) Ø: 7 mm (0.28 in) Weight: ~ 8.4 grams (0.3 oz)
Dimensions & weight (SCM 3A)	L: 3.4cm (1.3 in) Ø: 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

<b>4002k</b>	SCM-3 with LEMO connector
<b>4002kb</b>	SCM-3 with BNC Connector
<b>4002sc</b>	SCM-3A with BNC Connector

#### Accessories

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

#### Cables

<b>4006-T</b>	Microphone cable, 1.8 meter female to male 10-32 microdot connectors, rubber connector body fits inside microphone cable to provide a sealed connection.
<b>4006-5M</b>	Microphone cable, 5 meter (same as above)
<b>4006-10M</b>	Microphone cable, 10 meter (same as above)
<b>Pasternack.com</b>	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.