

**SM5B & SM5C
UNIDIRECTIONAL DYNAMIC
BOOM MICROPHONES**



Specifically designed to minimize boom microphone problems in television and motion-picture sound stage and location recording. Painstakingly developed to provide extremely high reproduction quality and great flexibility of application.

The SM5 features a wide-range, smooth, natural response, especially tailored for dialogue and vocal pickup with excellent presence, yet well-suited to scoring assignments. Its pickup pattern is cardioid—symmetrical about the axis, and exceptionally uniform with frequency (even at the extreme low end). These characteristics afford outstanding rejection of unwanted sound, such as reverberation noise, floor or scenery reflections, performers accidentally "off-mike," and background noises such as air conditioner rumble. Also minimizes off-axis coloration.

A highly effective integral windscreen completely surrounds the SM5's suspension elements to prevent wind noise generated by the suspension assembly, and provide maximum wind noise suppression in outdoor locations and with fast boom swings.

Minimum electrical noise pickup—a hum-balancing circuit for all

cartridge elements (including filter) and an absence of transformers and response-correcting inductors gives the SM5 virtual immunity to electrical noise, even in extreme hum fields.

SM5C ONLY: The SM5C was designed especially for motion-picture work. It incorporates a 100 Hz low cut filter in the cartridge assembly that eliminates low frequency transients resulting from rapid boom movement and wind. (While these transients frequently occur at sub-audible frequencies, they can overload the input stage of some recording channels and recorders to create momentary blocking or distortion.)

The SM5 is perfectly balanced and relatively light in weight for fast pans and fishpole use with maximum stability and minimum over-swing. Exceptionally rugged—cartridge assembly and isolation assembly are protected by outer foam windscreens and steel reinforcing rods.

May be used on accessory desk stands (such as Model S33P) for a wide variety of studio applications, outdoor sports, narration, and other problem applications.

SPECIFICATIONS

Frequency Response: SM5B: 50-15,000 Hz
SM5C: 70-15,000 Hz

Polar Pattern: Cardioid

Impedance: Model SM5B — 150 ohms; Model SM5C — 50 ohms

Output Level: —57 dB (0 dB = 1 milliwatt with 10 microbars)

Open Circuit Voltage: SM5B: —79.5 dB (.103 mV)

SM5C: —84 dB (.063 mV)

(0 dB = 1 volt per microbar)

Connector: Male receptacle on microphone designed to mate with

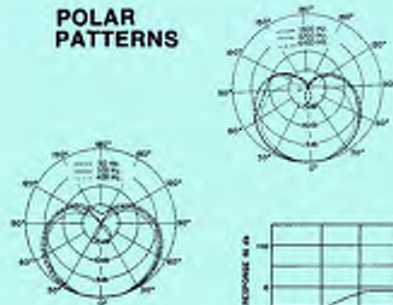
Cannon XL series, Switchcraft A3 series, or equivalent connector.

Dimensions and Weight: 251 mm long x 128 mm diam. x 145 mm yoke (to center of microphone) (9-29/32" x 5-1/32" x 5-23/32"); SM5B — .88 kg (1 lb., 15 oz.); SM5C — .91 kg (2 lbs.)

Finish: Textured non-glare gray; light/dark gray windscreens

Stand Thread: 5/8" - 27 with adapter included

POLAR PATTERNS



**FREQUENCY
RESPONSE
CURVE**



SM5 PERFORMANCE PROFILE

BEST APPLICATIONS: Boom or stand use in television, motion-picture sound stages, narration, scoring and broadcast announcing.

Pickup Pattern	Sound Quality	Handling/Mech. Noise/Isolation	"Pop" Rejection	Wind Noise Rejection	Background Noise Rejection
Cardioid	Very Wide Range	Excellent	Excellent	Excellent	Excellent
Proximity Effect	Gain Before Feedback	Humidity and Heat Resistance	Field Serviceability	Off-Axis	
Moderate	Excellent	Good	Excellent	Excellent	