

MODELS SM63, SM63L, AND SM63LB DYNAMIC MICROPHONES



Elegant, yet rugged, the high output SM63 series dynamic omnidirectional microphones are designed for professional applications where performance and appearance are critical. Their smooth, wide frequency response is tailored for optimum speech intelligibility, and includes a controlled low-frequency rolloff for reduced pickup of stand and wind noise. A built-in humbucking coil makes the microphones virtually immune to strong hum fields, such as those produced by studio lighting.

The three models differ only in length and color. The champagne-finished SM63 is designed for hand-held use on stage and in broadcast, recording, and television studios. The champagne-finished SM63L and the black-finished SM63LB are ideal for remote interviews, sports broadcasts, and other situations where longer microphones are desirable.

All three models use a patented Shure shock mount system to minimize handling noise. They also include a VERAFLEX™ grille that protects against damage from a drop of up to 2 meters (6 ft.), and is impervious to dents, rust, corrosion, and moisture. An integral pop filter effectively reduces breath noise. The SM63L and SM63LB include a two-stage windscreen accessory designed for outdoor use. All models are supplied with a stand adapter and zippered storage bag. Cables are available separately.

Features

- High output, low impedance
- 80 to 20,000 Hz frequency response tailored for optimum speech intelligibility
- Low-frequency rolloff and built-in shock mount for reduced pickup of handling noise and stand vibration
- Humbucking coil for virtual immunity to strong electromagnetic hum fields
- Exceptionally rugged VERAFLEX™ grille that resists damage from drops, and is immune to rust, corrosion, and moisture
- Built-in pop filter that suppresses breath and wind noise
- Accessory windscreen supplied with SM63L and SM63LB for outdoor use under adverse wind conditions
- Excellent balance and feel for hand-held use
- Supplied snap-in stand adapter
- Sleek, handsome appearance looks good on stage, screen, and television

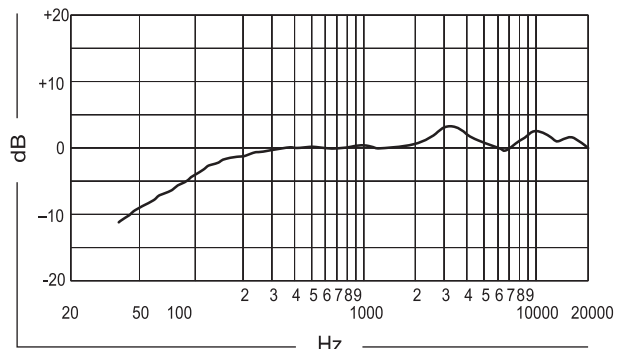
SPECIFICATIONS

Type

Dynamic

Frequency Response

80 to 20,000 Hz



TYPICAL FREQUENCY RESPONSE

FIGURE 1

Polar Pattern

Omnidirectional

Impedance (at 1,000 Hz)

Rated at 150 ohms (298 ohms actual)

Output Level (at 1,000 Hz)

-56.5 dBV/Pa (1.5 mV)

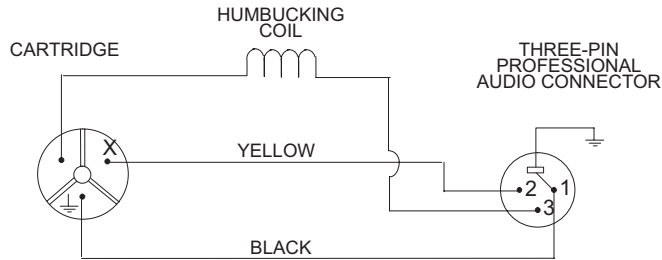
(1 Pa = 94 dB SPL)

Hum Pickup (typical at 60 Hz)

21 dB equivalent SPL in a 1 millioersted field

Polarity

Positive pressure produces positive voltage on pin 2 relative to pin 3



INTERNAL CONNECTIONS
FIGURE 2

Shock Mount

Patented internal vibration isolator

Stand Adapter

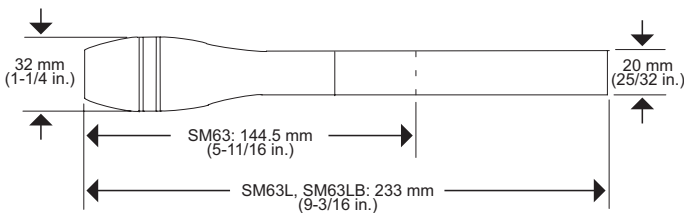
Snap-in, positive action, adjustable through 90° from vertical to horizontal, suitable for mounting on stand with 5/8"-27 thread

Case

SM63, SM63L: Champagne finish aluminum with VERAFLEX™ grille

SM63LB: Black finish aluminum with VERAFLEX™ grille

Dimensions



OVERALL DIMENSIONS
FIGURE 3

Net Weight (less cable)

SM63: 99 grams (3.50 oz)

SM63L, SM63LB: 124 grams (4.3 oz)

Packaged Weight

SM63: 567 grams (1 lb 4 oz)

SM63L, SM63LB: 595 grams (1 lb 5 oz)

Certifications

Eligible to bear CE Marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European Standard EN55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.

ARCHITECTS' SPECIFICATIONS

The microphone shall be a moving coil (dynamic) type with a frequency response of 80 to 20,000 Hz. The unit shall have an omnidirectional polar characteristic. The microphone shall have a rating impedance of 150 ohms.

The microphone output shall be -56.5 dB where 0 dB equals 1 milliwatt per 10 microbars.

The microphone shall be provided with a swivel adapter adjustable through 90° from vertical to horizontal. The microphone swivel adapter shall permit the microphone to be placed into and removed from the adapter with a smooth snap-in movement. The adapter will be equipped with a 5/8"-27 thread for mounting on a standard microphone stand fitting.

The overall dimensions of the microphone shall be 144.5 mm (5-11/16 in.) or 233 mm (9-3/16 in.) in length and 33 mm (1-1/4 in.) in diameter.

The microphone shall be the Shure Model SM63, SM63L, SM63LB, or equivalent.

FURNISHED ACCESSORIES

- Swivel Adapter A57F
- Brown Windscreen (SM63L)..... RK229WS
- Black Windscreen (SM63LB)..... 49A130
- Carrying/Storage Bag 26A13

OPTIONAL ACCESSORIES

- Desk Stand S37A, S39A
- Isolation Mount..... A53M
- Brown Windscreen (SM63)..... RK229WS
- TRIPLE-FLEX™
- Cable and Plug (7.6 m, 25 ft) C25F

REPLACEMENT PARTS

- Cartridge R191
- Replacement Grille (SM63) RK366
- Replacement Grille (SM63L) RK367
- Replacement Grille (SM63LB)..... RK368
- Plug Element RK152P

For additional service or parts information, please contact Shure's Service Department at 1-847-600-8699. Outside the United States, please contact your authorized Shure Service Center.