

SHURE®

GENERAL

The Model SM62 Professional Dynamic Microphone is an excellent choice for hand-held or stand use in radio and TV broadcasting such as sports broadcasting, news remotes and game shows, and in sound reinforcement applications such as high-quality public address, theater and vocal pickup. Its small size and light weight make it ideal for inconspicuous use both on podiums and while hand-held. The SM62 contains an extremely effective filter designed to minimize wind and pop noises. Its combination of flat, uncolored response and uniform cardioid pickup pattern provide superb background noise and feedback control.

The SM62 is supplied with a swivel adapter for use on floor or desk stands, or booms or goosenecks. Model SM62-LC is supplied without a cable.

Microphone Features:

- Low sensitivity to handling and stand noise
- Built-in breath and pop filter minimizes pop and wind noise
- Compact, handsome styling with small size for inconspicuous use
- Light weight plus excellent balance and feel for hand-held use
- Smooth, natural, uncolored frequency response
- Built-in shock isolation prevents mechanical noise from stand, stage or podium from reaching microphone
- Swivel adapter provides snap-in convenience for stand or in-the-hand use

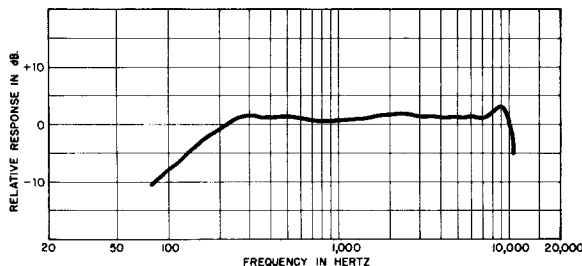
SPECIFICATIONS

Type

Dynamic

Frequency Response

100 to 10,000 Hz (See Figure 1)



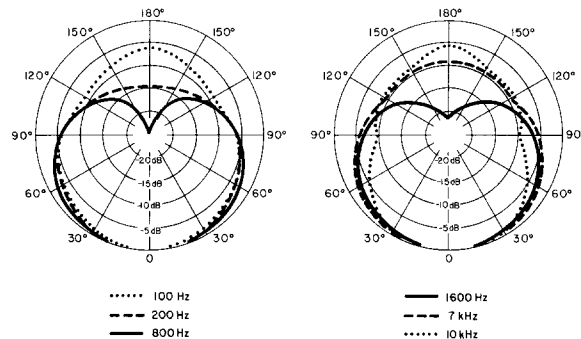
TYPICAL FREQUENCY RESPONSE
FIGURE 1

MODEL SM62 UNIDIRECTIONAL DYNAMIC MICROPHONE



Polar Pattern

Cardioid (unidirectional) response—uniform with frequency, symmetrical about axis (see Figure 2)



TYPICAL POLAR PATTERNS
FIGURE 2

Impedance

Microphone rating impedance is 150 ohms (180 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms

Output Level (at 1,000 Hz)

Open Circuit Voltage -81.5 dB (.08 mV)
(0 dB = 1 volt per microbar)

Power Level -60.0 dB
(0 dB = 1 milliwatt per 10 microbars)

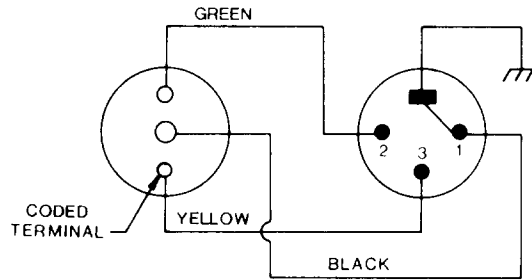
Hum Sensitivity (maximum)

21.5 dB equivalent SPL/millioersted

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MODEL SM62
UNIDIRECTIONAL DYNAMIC MICROPHONE

Phasing

Positive pressure on diaphragm produces positive voltage on pin 2 of connector with respect to pin 3 (see Figure 3)



**INTERNAL CONNECTIONS
FIGURE 3**

Connector

Professional three-pin audio connector*

Finish

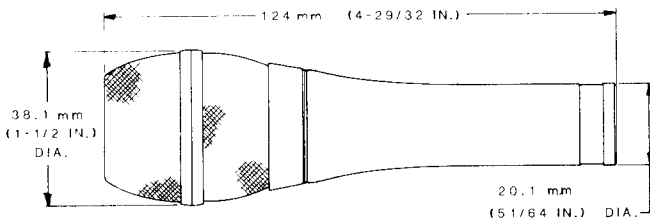
Champagne matte metallic

Swivel Adapter

Provides snap-in operation and 5/8"-27 stand threads

Dimensions

See Figure 4



**OVERALL DIMENSIONS
FIGURE 4**

*Designed to mate with Cannon XL Series, Switchcraft A3 (Q.G.) series or equivalent connector.

Net Weight

113.4 grams (4 oz) less cable

Packaged Weight

SM62-LC: 482 grams (1 lb, 1 oz)

ARCHITECTS' SPECIFICATIONS

The microphone shall be a moving coil (dynamic) type with a frequency response of 100 to 10,000 Hz. The unit shall have a cardioid polar characteristic. The cancellation at the sides shall be approximately 6 dB, and the cancellation at the rear shall be 15 to 20 dB. The microphone shall be low impedance with a rated impedance of 150 ohms for connection to microphone inputs rated at 19 to 300 ohms.

The microphone output shall be -60.0 dB where 0 dB = 1 milliwatt per 10 microbars.

The microphone shall be provided with a swivel adapter, adjustable through 90° from vertical to horizontal, and suitable for mounting on a stand having a 5/8"-27 thread.

The overall dimensions of the microphone shall be 124 mm (4-29/32 in.) in length and 38.1 mm (1-1/2 in.) in diameter.

The microphone shall be the Shure Model SM62 or equivalent.

FURNISHED ACCESSORY

Swivel Adapter A57D

OPTIONAL ACCESSORIES

Isolation Mount A53M, A53HM
 Windscreen A58WS Series
 Cable (6.1m - 20 ft) C20H

REPLACEMENT PARTS

Cartridge 90A3007
 Plug Element 90A1984