

# SHURE®

THE SOUND OF THE PROFESSIONALS®

222 HARTREY AVE., EVANSTON, IL 60202-3696 U.S.A.  
AREA CODE 312/866-2200 • CABLE: SHUREMICRO

## PROFESSIONAL PRODUCTS

### GENERAL

The Shure Model SM59 is a high-quality, unidirectional dynamic microphone designed for professional applications in sound reinforcement, broadcasting and recording. The SM59 has a wide-range frequency response and a unique cartridge shock mount design which minimizes handling noise and maximizes vibration cancellation. A special "pop" filter protects against explosive breath sounds. A slim lower case, balanced weight, and sleek appearance combine to make the SM59 especially suitable for stage use. The SM59 is a lightweight, rugged unit of aluminum, zinc and stainless steel construction, finished in matte champagne enamel. A microphone swivel adapter is provided. Model SM59-LC is supplied without a cable.



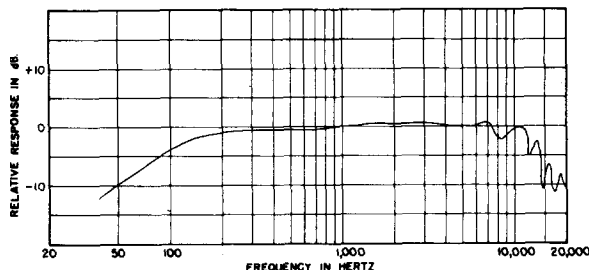
### SPECIFICATIONS

#### Type

Dynamic

#### Frequency Response

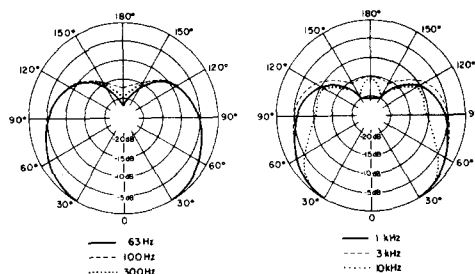
50 to 15,000 Hz (see Figure 1)



TYPICAL FREQUENCY RESPONSE  
FIGURE 1

#### Polar Pattern

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



TYPICAL POLAR PATTERNS  
FIGURE 2

#### Impedance

Microphone rating impedance is 150 ohms (160 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms

#### Model SM59 Features:

- Wide-range, smooth frequency response; provides clean, natural reproduction of voice and music
- Special mechano-pneumatic shock mount virtually eliminates normal handling noise and pickup of floor/stand vibrations
- Wire-mesh screen with built-in filter provides excellent "pop" protection
- Built-in hum-bucking coil for maximum electromagnetic hum cancellation
- Highly effective cardioid pickup minimizes background noise and undesirable location acoustics
- Versatile-for use in the hand or on a stand- indoors or outdoors
- Smooth, sleek styling and lightweight, balanced case for excellent appearance and ease of use
- Rugged - provides years of dependable operation with unchanging performance

The SM59 is a low-impedance microphone and is recommended for use when long cable lengths are required or under conditions of severe hum disturbance. The permissible cable length is practically unlimited, since neither response nor level is affected. If required, the SM59 may be connected to a high-impedance mixer input using a Shure A95UF Line Matching Transformer.

SHURE®

MODEL SM59 • UNIDIRECTIONAL DYNAMIC MICROPHONE

TECHNICAL DATA

### Output Level (at 1,000 Hz)

Open Circuit Voltage . . . . . -83 dB (.07 mV)  
(0 dB = 1 volt per microbar)

Power Level . . . . . -61 dB  
(0 dB = 1 milliwatt with 10 microbars)

### Hum Sensitivity

12.5 dB typical equivalent SPL in a 1 millioersted field

### Phasing

Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of plug element

### Swivel Adapter

Positive action, adjustable through 90° from vertical to horizontal, permits easy removal for hand-held use, suitable for mounting on stand with 5/8"-27 thread

### Operating Temperature Range

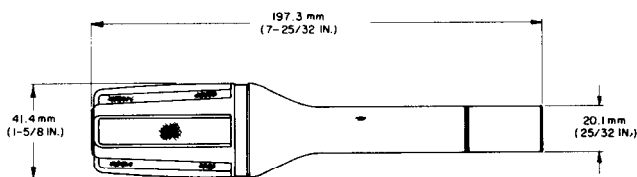
-29° to 74°C ( -20° to 165°F)

### Case

Aluminum with champagne enamel finish

### Dimensions

See Figure 3



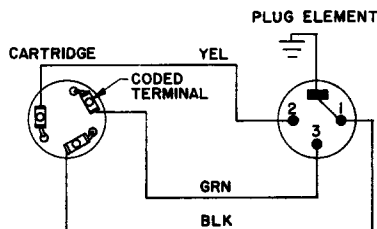
OVERALL DIMENSIONS  
FIGURE 3

### Net Weight

215 grams (7.6 oz)

### Packaged Weight

1.1 kg (2 lb, 7 oz)



INTERNAL CONNECTIONS  
FIGURE 4

### FURNISHED ACCESSORY

Swivel Adapter . . . . . A57D

### REPLACEMENT PARTS

Grille Assembly . . . . . 90CD2600  
Cartridge and Case Assembly . . . . . R100  
Plug Shell Assembly . . . . . 90CE2600  
Plug Element . . . . . 90A1984

### OPTIONAL ACCESSORIES

Windscreen . . . . . A59WS-BR  
Desk Stand . . . . . S37A, S39A  
Line Matching Transformer . . . . . A95UF  
Cable (7.6m-25 ft) . . . . . C25F

### ARCHITECTS' SPECIFICATIONS

The microphone shall be a moving coil (dynamic) type with a frequency response of 50 to 15,000 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 greater than 15 dB at 100 Hz and greater than 20 dB at 1000 Hz when measured with the front of the microphone two feet from the sound source. 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 -61 dB where 0 dB = 1 milliwatt with 10 microbars.

The microphone shall be supplied 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 197 mm (7-25/32 in.) in length and 41.4 mm (1-5/8 in.) in diameter.

The microphone shall be the Shure Model SM59 or equivalent.

### GUARANTEE

This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor. This guarantee is in lieu of any and all other guarantees or warranties, express or implied, and there shall be no recovery for any consequential or incidental damages.

### SHIPPING INSTRUCTIONS

Carefully repack the unit, insure it, and return it prepaid to:

Shure Brothers Incorporated  
Attention: Service Department  
222 Hartrey Avenue  
Evanston, Illinois 60202-3696

If outside the United States, return the unit to your dealer or Authorized Shure Service Center for repair. The unit will be returned to you prepaid.