GENERAL

The Model SM56 is a slender, moving coil (dynamic) microphone, built to provide wide range reproduction of music and voice and featuring an exceptionally uniform and effective unidirectional pickup pattern. The performance characteristics and unique construction make it ideal for studio and remote use in broadcasting, recording, motion picture, and critical sound reinforcement applications.

Microphone Features:
- Unusually effective cardioid pickup pattern minimizes effects of studio acoustics and background noise. Rear and side rejection uniform to very low frequencies and completely symmetrical about the axis.
- Bright, clean sound. Especially effective for announcing, narration and dialogue, vocal music, and rhythm pickups.
- Cartridge and microphone body separately shock mounted for quiet operation.
- Convenient impedance selection.

SPECIFICATIONS

Type Dynamic

Frequency Response 40 to 15,000 Hz (See Figure 1)

Polar Pattern Cardioid (unidirectional) response. Uniform with frequency, symmetrical about axis (See Figure 2).

impedance Dual. Microphone rating impedance "L" is 38 ohms (70 ohms actual) and microphone rating impedance "H" is 150 ohms (300 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms. Shipped with impedance switch at 150 ohms ("H" position).

Output Level (at 1,000 Hz)    "L"    "H"
Open Circuit Voltage* . . . . -82.0 dB - 75.5 dB (.079 mV) (.167 mV)
Power Level** . . . . . . . . . -56.5 dB -56.5 dB
*0 dB = 1 volt per microbar
**0 dB = 1 milliwatt per 10 microbars

Switch Built-in slotted impedance switch.

Cartridge Shock Mount Internal rubber vibration-isolator.

SHURE®

222 HARTREY AVENUE, EVANSTON, ILLINOIS 60204 U.S.A. • TELEPHONE: (312)866-2200 • CABLE: SHUREMICRO
Cable
6.1 m (20 ft) two-conductor shielded, with professional three-socket audio connector designed to mate with Cannon XL series, Switchcraft A3 (Q.G.) series, or equivalent connector.

Swivel and Shock Mount Assembly
Positive action, permits tilting head through 180°, shock mounted with internal rubber vibration-isolator, suitable for mounting on stand with 5/8"-27 thread.

Case
Dark gray enameled die casting and polycarbonate with stainless steel screen.

Dimensions
See Figure 4

The microphone shall be provided with a vibration-isolator in combination with a swivel adjustable through 180°. The microphone shall be suitable for mounting on a stand with a 5/8"-27 thread. The microphone shall also be provided with a detachable 6.1 m (20 ft) two-conductor shielded cable with a professional three-socket audio connector* at the microphone end.

The overall dimensions of the microphone shall be 125 mm (4-29/32 in.) in length, 31.4 mm (1¼ in.) in width, and 156 mm (6-1/8 in.) in depth.

The microphone shall be the Shure Model SM56 or equivalent.

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

IMPEDEANCE SELECTION
Remove the impedance switch cover plate by removing the two 2-56 binding head machine screws at each end of the cover plate. The center position of the slotted Impedance-Off switch is the Off position; counterclockwise (as shipped) is the 150-ohm position; clockwise is the 38-ohm position. Select the desired switch position, replace the impedance switch cover plate, and secure with the two 2-56 binding head machine screws.

OPTIONAL ACCESSORIES
Windscreen ......................... A2WSA
Extension Cable ..................... C20H

REPLACE MENT PARTS
Dynamic Cartridge ..................... R57
Cable and Plug Assembly ................. C2OD
Plug Element ...................... 65A67

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, have it insured, and return it prepaid to:
Shure Brothers Incorporated
Attention: Service Department
222 Hartrey Avenue
Evanston, Illinois 60204
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.