



General

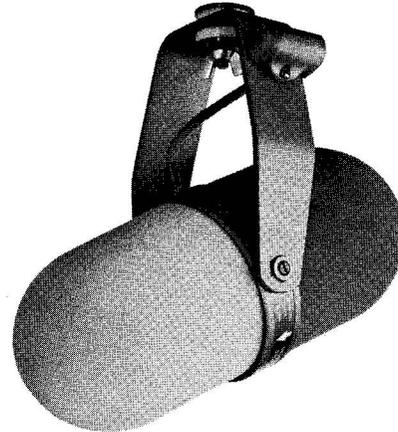
The SM5C is a special version of the SM5A, designed specifically for motion picture work. The SM5C, incorporating a 100 Hz hi-pass filter in the cartridge assembly essentially eliminates low frequency transients resulting from boom motion or wind. (These transients are noted with many different microphones. While they frequently occur at sub-audible frequencies, they can overload the input stage of some recording channels and some recorders—usually before the signal reaches any equalizers—resulting in momentary blocking or distortion.)

Features include:

- Directivity — cardioid, symmetrical about axis and exceptionally uniform with frequency. Minimizes sound coloration due to off axis pickup—such as from reverberation, reflections from floor or scenery, and performers accidentally "off-mike". Provides very effective rejection of background noise and excellent reach.
- Frequency response — wide range, especially tailored to provide natural dialogue or vocal music pickup with good presence.
- Integral windscreen—very effective in outdoor locations and for fast boom swings.
- Mechanical suspension—two stage mechanical isolation for any boom application. Suspension elements are internal to windscreen to prevent wind noise generation in the suspension assembly.
- Minimum electrical noise pickup—hum balancing circuit for all cartridge elements (including filter) assures very low susceptibility to electrical hum. May be used in extreme hum fields.
- Perfectly balanced — excellent stability and minimum overswing.
- Ruggedness and dependability—under all operating conditions. Element and isolation assembly are protected by the outer windscreens and steel reinforcing rods.

Guarantee: This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from the date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor.

Shipping Instructions: Carefully repack the unit and return it prepaid to the factory. 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.



SPECIFICATIONS

Type: Dynamic

Frequency Response: 70 to 15,000 Hz. (See Figure A)

Polar Pattern: Unidirectional. (See Figure B)

Microphone Rating

Impedance: Model SM5C — 50 ohms

Output Level: 1,000 Hz response

Model SM5C (50 ohm impedance)

Open circuit voltage — 84.0 db (.063 mv)
(0 db = 1 volt per microbar)

Power level into 50 ohms — 57.0 db
(0 db = 1 milliwatt with 10 microbars)

EIA Microphone Rating

Gm (sensitivity) — 150.0 db
(0 db = EIA Standard SE-105/August, 1949)

Connector: Professional three-pin male audio connector mounted on microphone designed to mate with Cannon XL series Switchcraft A3 (Q.G.) series or equivalent connector.

Finish: Textured dark gray enamel. Light and dark gray plastic foam windscreens.

Dimensions: See Figure C.

Other Mounting: A 5/8"-27 adapter is supplied. Desk Mount available as accessory.

Net Weight: 2 pounds (908 grams)

Hum Level: —130 dbm with field of 1×10^{-3} gauss at 60 Hz.

REPLACEMENT PARTS:

The following replacement parts and accessories may be ordered through your authorized Shure Professional Microphone Distributor or from Shure Brothers Incorporated.

Description	Shure Part No.
Cartridge Assembly	99A662
Rubber Isolation Suspenders	66A94
Outer Windscreen Assembly	
a. Light gray	90A1043
b. Charcoal gray	90B1043
Cable Assembly (replacement)	70A2001
Accessory Desk Mount	S33P
Boom Adapter	31A936A
5/8"-27 Stand Adapter	90A1071
External Shock Assembly	94A343

A. Instructions for removing Outer Windscreens:

1. With the fingers, gently push back (at the nameplate end) the plastic foam of the outer windscreen adjacent to the reinforcing rods extending into the outer windscreen. The

rods can be easily felt. The round head screws will become visible.

2. Remove the four round head screws.

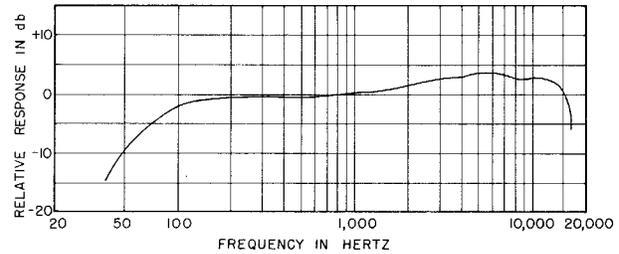
3. Slide the outer windscreen off the ring structure and reinforcing rods.

B. Instructions to install Outer Windscreens:

1. Insert the four round head screws into the holes provided in the metal plate at the end of the outer windscreen assembly.

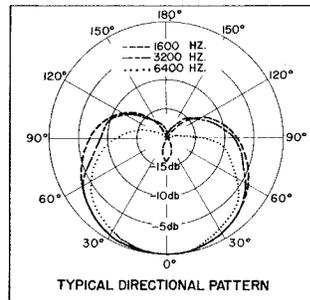
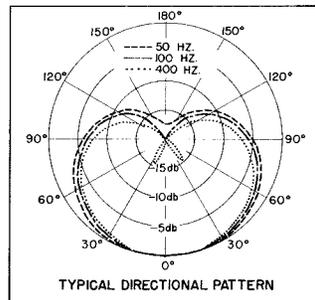
2. Slide outer windscreen over the reinforcing rods toward the ring structure.

3. Tighten the four round head screws. Push back foam with fingers while tightening the screws.



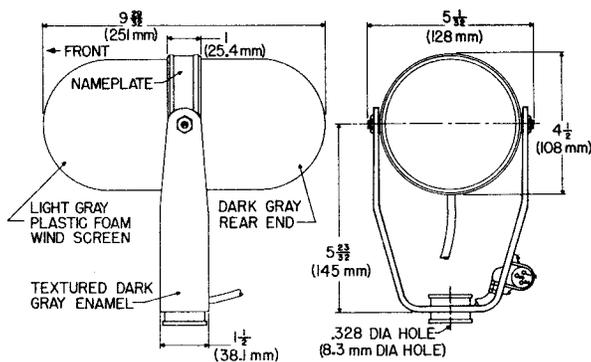
FREQUENCY RESPONSE

FIGURE A



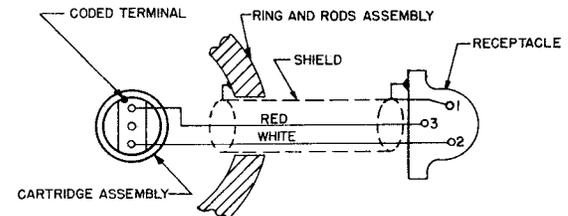
POLAR RESPONSE

FIGURE B



OVER-ALL DIMENSIONS

FIGURE C



POSITIVE PRESSURE PRODUCES POSITIVE VOLTAGE AT PIN 2 WITH RESPECT TO PIN 3

INTERNAL CONNECTIONS

FIGURE D