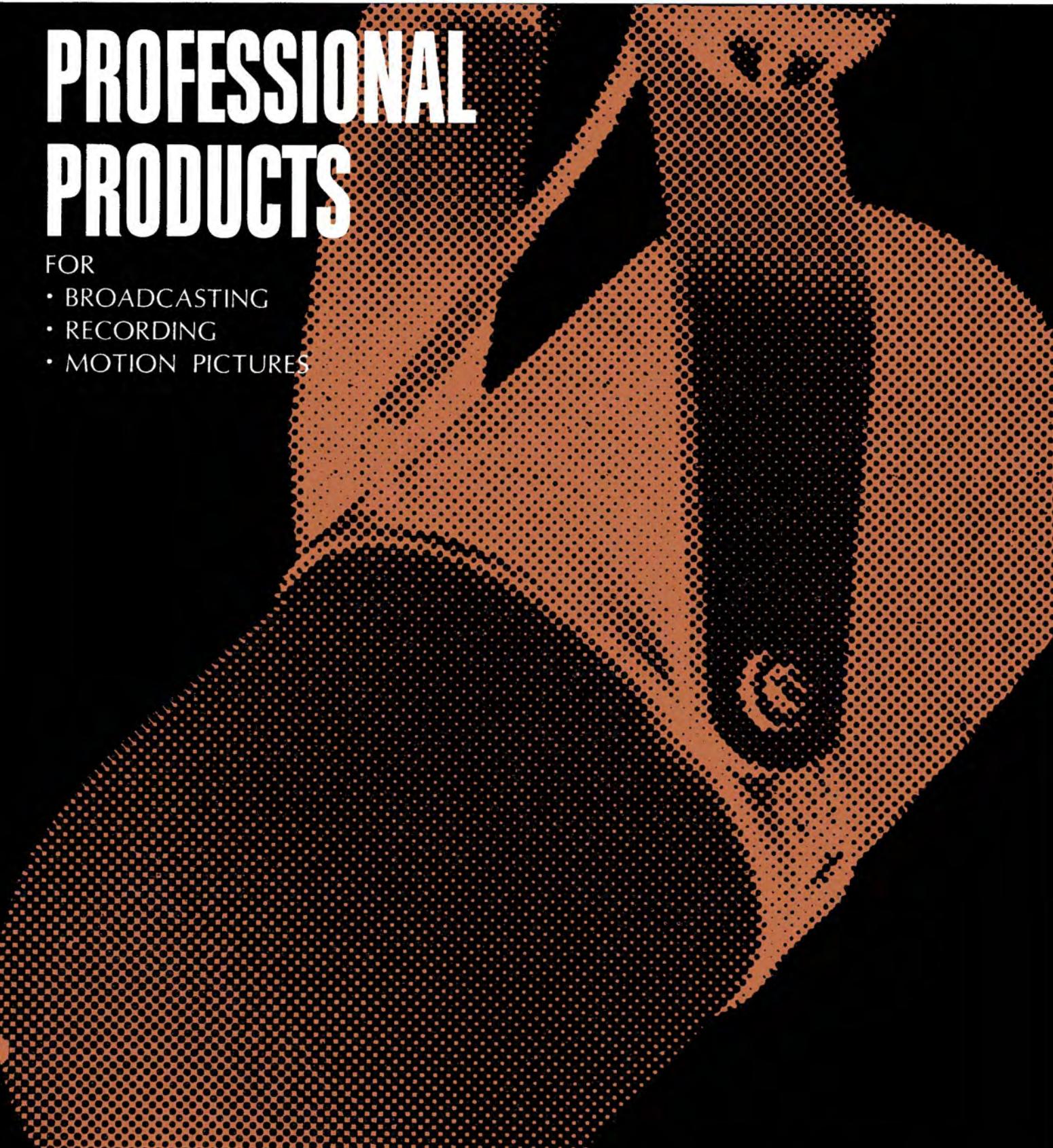


SHURE

# PROFESSIONAL PRODUCTS

FOR

- BROADCASTING
- RECORDING
- MOTION PICTURES



MICROPHONES • CIRCUITRY • CARTRIDGES • TONE ARMS • MICROPHONE ACCESSORIES



### SM5 UNIDIRECTIONAL DYNAMIC BOOM MICROPHONE

Specifically designed to minimize boom microphone problems in television and motion-picture sound stage and location recording. Smooth, natural response for dialogue, vocal music, and many scoring applications. Unusually effective cardioid pattern is uniform with frequency (even at the extreme low end) and completely symmetrical about the axis. This characteristic assures excellent rejection of unwanted sound (even air conditioner or traffic rumble), allows virtually no coloration of off-axis reflections or reverberation, and maintains presence over very wide working distance range. Highly effective integral windscreens completely surrounds the mechanical isolation elements for protection and maximum wind noise suppression. No transformers or inductors to pick up electrical noise or hum. Lightweight and perfectly balanced for fast pans and fishpole use. For  $\frac{5}{16}$ " or smaller boom studs;  $\frac{5}{8}$ "-27 stand thread adapter included.

May also be used to good advantage on optional desk stand (S33C) for outdoor sports and other problem applications.

#### SPECIFICATIONS

FREQUENCY RESPONSE: 50-15,000 Hz

POLAR PATTERN: Cardioid

IMPEDANCE: Model SM5A - 50 ohms  
Model SM5B - 150 ohms

OUTPUT LEVEL: -57 db (0 db = 1 milliwatt  
with 10 microbars)

CONNECTOR: Cannon XLR-3-42 receptacle on microphone

DIMENSIONS AND WEIGHT:  $9\frac{9}{16}$ " long x  $5\frac{1}{2}$ " diam. x  
 $5\frac{3}{8}$ " yoke (to center of microphone); 1 lb. 15 oz.

### SM50 SELF-WINDSCREENED OMNIDIRECTIONAL DYNAMIC

Strikingly immune to windnoise and explosive breath sounds, making it an ideal "work horse" microphone for remote interviews, news, sports, and a variety of field and studio applications. Five-element built-in windscreens unscrews from microphone as a self-contained unit for easy cleaning or replacement. Response rolled off slightly at each end to reduce extreme low and high frequency noise and sibilance. Full-bodied, smooth, natural, and pleasing reproduction of speech and vocal music. Extremely rugged, yet surprisingly light. Compact and perfectly balanced for unusually comfortable handling. Shock-mounted cartridge. Supplied with slip-in stand adapter.

#### SPECIFICATIONS

FREQUENCY RESPONSE: 40-15,000 Hz

POLAR PATTERN: Omnidirectional

IMPEDANCE: DUAL: 30-50 ohms; 150-250 ohms

OUTPUT LEVEL: -57 db (0 db = 1 milliwatt with  
10 microbars)

DIMENSIONS AND WEIGHT:

$6\frac{5}{16}$ " x  $1\frac{1}{2}$ " diam. (max.); 8 oz.

See page 5 for important information on Connectors, Cables, Surface Finishes, and Stand Thread.



### TRULY VERSATILE



### SM60 OMNIDIRECTIONAL DYNAMIC

This unusually versatile microphone is a unique combination of beauty, strength, performance and economy. It has smooth, natural, wide-range response for both voice and music. The SM60 is equally at home in the studio or for remote pickups, and is in wide use in situations as diverse as outdoor sporting events and studio production numbers. Built-in breath and pop filter minimizes breath and wind noise. Lustrous, non-glare matte metallic finish and tailored-to-the-hand dimensions provide handsome on-camera appearance and superior handability. Specially reinforced machined-steel case front for exceptional ruggedness — can actually be dropped on its nose without damage to internal structure! Windscreen and front end quickly and easily removable for cleaning. Can be used on stand (stand adapter included) or instantly removed from stand for in-the-hand use.

### SPECIFICATIONS

FREQUENCY RESPONSE: 45-15,000 Hz

POLAR PATTERN: Omnidirectional

IMPEDANCE: 150 ohms (properly matches 50 to 250 ohm inputs)

OUTPUT LEVEL: —59 db (0 db = 1 milliwatt with 10 microbars)

DIMENSIONS AND WEIGHT: 6 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ " diam. (max.); 6 oz.



### SM58 SELF-WINDSCREENED UNIDIRECTIONAL DYNAMIC

Ideal for remote news, sports, interviews, and vocal recording, or wherever the announcer or performer may need to work close to the microphone. Built-in spherical windscreens minimizes or eliminates explosive breath "pop." Wide response with slight presence rise for clean, bright, and natural sound. Unusually effective cardioid pickup pattern (uniform with frequency, symmetrical about axis) provides excellent control of unwanted sound. Minimizes "boominess" that is usually accented by close-up microphone use. Windscreens assembly readily removable in the field for cleaning or replacement. Cartridge suspended in rubber shock mount. Convenient size and weight for comfortable hand-held use. Slip-in stand adapter included.

### SPECIFICATIONS

FREQUENCY RESPONSE: 50-15,000 Hz

POLAR PATTERN: Cardioid

IMPEDANCE: DUAL: 50 and 150 ohms

OUTPUT LEVEL: —56 db (0 db = 1 milliwatt with 10 microbars)

DIMENSIONS AND WEIGHT: 6 $\frac{1}{2}$ " x 2" diam. (max.); 15 oz.

U.S. Patents 3,132,713 and 3,240,883

See page 5 for important information on Connectors, Cables, Surface Finishes, and Stand Thread.

## SM56-57 UNIDIRECTIONAL DYNAMICS



## U.S. PATENT D-190,864

Models SM56 and SM57 feature unusually effective cardioid pickup patterns that are uniform at all frequencies and in all planes! The effects of studio acoustics and background noisy are minimized and the bright, clean sound is ideal for announcing, dialogue and vocal music. Unusually effective for rhythm pickups because they do not overemphasize low frequencies — resulting in clean, beautifully defined sound from percussion instruments, piano and string basses. In addition, "boominess" associated with close-up pickup is well controlled.

The cartridges are shock-mounted for quiet operation.

## SM56 — STAND MOUNTED MODEL

Permanently mounted on positive-action swivel-shock mount that permits tilting of head through 135°. Includes accessory switch adapter to serve in applications where on-off switch is necessary at the microphone.

## SPECIFICATIONS

FREQUENCY RESPONSE: 50-15,000 Hz

POLAR PATTERN: Cardioid

IMPEDANCE: DUAL: selected by impedance switch:  
30-50 ohms "L," or 150-250 ohms "H"

OUTPUT LEVEL: -56 db (0 db = 1 milliwatt  
with 10 microbars)

DIMENSIONS AND WEIGHT: 4 3/4" x 1 5/8" diam.;  
3 1/4" base height; 1 lb. 3 oz.

## SM57 — HAND OR STAND MODEL

Hand-held variation of SM56 (above). Includes slip-in stand adapter for instant attachment to stand. Same specifications as SM56 except impedance changeable at pins in base of microphone: 6 1/4" long, 1 1/4" diam.; 10 oz.



## OMNIDIRECTIONAL DYNAMICS

MODEL SM76 3/4" DIAMETER  
OMNIDIRECTIONAL DYNAMIC

Extremely wide, peak-free, and smooth response (45-20 kHz) together with slim styling makes this a microphone of unusual versatility. It is recommended for applications as divergent as symphonic and organ recording, studio or location interviews and newscasts, in-the-audience use . . . anywhere a fine, natural sounding omnidirectional is required. Slender steel case feels great in the hand. Can also be used on a stand, indoors or out (includes slip-in stand adapter). Dependable and extraordinarily rugged — will withstand severe use without deviation from original standards.

## SPECIFICATIONS

FREQUENCY RESPONSE: 45-20,000 Hz

POLAR PATTERN: Omnidirectional

IMPEDANCE: DUAL: 50 and 150 ohms permits proper matching to any input from 30 to 250 ohms.

OUTPUT LEVEL: -60 db (0 db = 1 milliwatt  
with 10 microbars)

DIMENSIONS AND WEIGHT: 8 1/4" long x 3/4" diam.; 7 oz.

MODEL SM51 DYNAMIC LAVALIER  
MICROPHONE

Especially designed for radio, TV, motion-picture or applications calling for a small wearable microphone; frequency response optimized for lavalier use — will match well, in sound, with stand or desk mounted units. Smooth exterior and recessed grill minimize clothing noise. Versatile, "Positive-Lock" lavalier holder goes on in an instant; provides simple, noiseless adjustment of microphone position. Non-detachable 30-ft. two-conductor rubber cable is easily field replaceable without disturbing cartridge. Magnetic shielded steel case.

## SPECIFICATIONS

FREQUENCY RESPONSE: 70-12,000 Hz with rising characteristic to 6,000 Hz

IMPEDANCE: Matches any input from 50 to 250 ohms

OUTPUT LEVEL: -60.5 (0 db = 1 milliwatt with 10 microbars)

DIMENSIONS AND WEIGHT: 2 1/2" long x 3/4" diam.; 2 oz.

See Page 5 for important information on Connectors, Cables, Surface Finishes and Stand Thread.



### MODEL SM33 SUPER CARDIOID RIBBON MICROPHONE

U.S. PATENT D-178,018

The SM33's ribbon element imparts a pleasantly warm characteristic to the male speaking voice which especially recommends it for announcing and narration applications. The same warmth is also imparted to instrumental or vocal recordings. Because its polar pattern is somewhat more directional than a conventional cardioid, it provides superior separation in studio recording as well as control of unwanted surrounding noise. Smooth, wide range response. Unusually rugged. Two-position Response Selector Switch tailors bass frequencies to the recording situation. Self-adjusting lifetime swivel-shock mount permits tilting head 45° forward, 90° backward.

#### SPECIFICATIONS

FREQUENCY RESPONSE: 40-15,000 Hz

POLAR PATTERN: Super-Cardioid

IMPEDANCE: DUAL: 30-50 ohms; 150-250 ohms

OUTPUT LEVEL: -58 db (0 db = 1 milliwatt  
with 10 microbars)

DIMENSIONS AND WEIGHT: 5 $\frac{15}{16}$ " long overall x 1 $\frac{1}{4}$ " wide x  
1 $\frac{1}{8}$ " deep. Head is 4 $\frac{1}{8}$ " long; 1 lb. 10 oz.



### MODEL 300 BIDIRECTIONAL RIBBON MICROPHONE

U.S. Patent D-171,055

Combines wide range response and a bidirectional (cosine) pickup pattern: symmetrical front and rear pickup with greatly reduced side pickup provides same control of overall surrounding noise as an equivalent cardioid microphone. Warm, smooth sound. Ideal for applications such as across-the-table interviews or dialogue, combined pickup of facing instrumental groups, and stages with overhead loudspeakers. Two-position, low frequency, Response Selector Switch. Self-adjusting lifetime swivel-shock mount.

#### SPECIFICATIONS

FREQUENCY RESPONSE: 40-15,000 Hz

POLAR PATTERN: Cosine

IMPEDANCE: MULTI-IMPEDANCE: Switch gives choice of  
"L" 30-50 ohms; "M" 150-250 ohms; or "H" high.

OUTPUT LEVEL: -59 db (0 db = 1 milliwatt  
with 10 microbars)

DIMENSIONS AND WEIGHT: 9 $\frac{1}{4}$ " long overall x 1 $\frac{1}{2}$ " wide x  
1 $\frac{3}{8}$ " deep. Head is 6" long; 1 lb.

### IMPORTANT INFORMATION

#### CONNECTORS AND CABLES:

Unless otherwise specified, the microphones listed in this folder are equipped with a Cannon XL-3-12 type receptacle in the microphone. Supplied cables are 20-ft. lengths of two-conductor shielded, broadcast-type, synthetic rubber cable with Cannon XLR-3-11C Connectors. Cable not supplied with SM5A or B; miniature and lavaliere microphones supplied without connector but with cable, as stated in the product descriptions.

#### SURFACE FINISHES:

All Shure Professional Microphones are specially finished in textured dark gray that eliminates glare or flashes on camera. Model SM60 finished in non-glare matte metallic.

#### STAND THREAD:

5/8"-27 stand thread on all microphones and stand adapters. Boom mounting on SM5A and B has pass hole for 5/16" stud.

## UTILITY DYNAMIC MICROPHONES

MODEL 571  
MINIATURE DYNAMIC

A lavalier-size omnidirectional microphone with stand microphone response that is well suited to general use. Excellent voice characteristics—smooth and peak-free. For inconspicuous stand or hand-held use, concealment in a studio or shooting location, hanging over stage, documentaries, etc. Steel case for magnetic shielding. With non-detachable 30-foot, 2-conductor shielded broadcast type cable. Includes stand adapter.

## SPECIFICATIONS

FREQUENCY RESPONSE: 50-10,000 Hz.  
POLAR PATTERN: Omnidirectional  
IMPEDANCE: Matches any input from 50 to 250 ohms.  
OUTPUT LEVEL: -60.5 db  
(0 db = 1 milliwatt with 10 microbars)  
DIMENSIONS AND WEIGHT:  
2 $\frac{1}{8}$ " x 3 $\frac{1}{4}$ " diam.; 2 oz.

## SHURE MICROPHONE ACCESSORIES

MODEL S39A VIBRATION  
ISOLATION STAND

Isolates microphone from even extreme mechanical vibration. For tables, desks, footlight areas, remotes (particularly sporting events), etc. Designed for use with any Shure microphone or swivel adapter assembly. Heavy duty "non-fatigue" foam rubber internal isolation element. Low-silhouette, black high-impact non-glare plastic housing.

## MODEL S33 STAND

Low silhouette ideal for TV use. Heavy (2 $\frac{1}{2}$  lbs.) for rock-steady support of any microphone having standard 3 $\frac{1}{8}$ "-27 thread. Unique quick microphone removal provisions. Model S33B has black satin finish; Model S33P has textured charcoal finish to match all Shure "SM" series microphones; Model S33C has special mounting hardware for SM5 Boom microphones.

MODEL A95A  
LINE MATCHING  
TRANSFORMER

Matches 35-50 ohm and 150-250 ohm Dynamic, Ribbon or Magnetic microphones to high impedance inputs. Full magnetic shield case. Compact size for "in-line" use. Cannon XL-3-11 low impedance connection; Amphenol MC-1 high impedance connection. Supplied with mating connectors. Only 2 $\frac{1}{2}$  in. long, 3 $\frac{1}{4}$  in. diam.

MODEL A2WS  
WINDSCREEN

A high performance, rugged windscreen with exclusive lock-on provision that prevents accidental removal or loss. Effectively controls wind noise and explosive breath sounds ("pop"). Neutral gray. Handsome, finished appearance. Fits Shure Nos. SM56, SM57, 544, SM76 and 571 professional microphones.

A complete selection of general purpose microphones for mounting on goosenecks or other flexible or fixed mountings. Recommended for use in control rooms, cueing, talk-back, intercom, newsroom, and other applications where a hands-free, permanently, or semi-permanently located microphone is called for. Models 544 and 561 available as head alone, while Models 544-G6, 544-G12, 544-G18 and 572G are complete with gooseneck and mounting flange. (Goosenecks available with side cable opening on special request.)

## UNIDIRECTIONAL — MODEL 544 SERIES

Cardioid pickup performance characteristics similar to Model SM57 (page 4). Well suited to on-the-air and production use; or wherever it's desirable to suppress background noise such as in news rooms, control rooms or other noisy locations. Dual impedance: 150 ohms, or high. With 7-foot, 2-conductor shielded cable. 544-G6 with 6" gooseneck; 544-G12 with 12" gooseneck; 544-G18 with 18" gooseneck. Model 544 is the head alone with 3 $\frac{1}{8}$ "-27 thread to fit conventional goosenecks or other flexible or fixed mountings.

## MINIATURE — MODEL 572G

Omnidirectional dynamic head with same performance characteristics as 3 $\frac{1}{4}$ " diameter Model 571 miniature dynamic microphone (below). The head is about the same diameter as the gooseneck itself, creating a strikingly trim appearance. With special, slim and quiet flexible 12-inch gooseneck, and mounting flange. With non-detachable, 5-foot, 2-conductor shielded cable.

## STANDARD — MODEL 561

Rugged, low-cost, omnidirectional dynamic gooseneck microphone at an unusually low cost. "Tamper-proof" head with set-screw provision for locking head to gooseneck or fitting. 40-10,000 Hz with rising response characteristic for crisp, intelligible speech. Low impedance (200 ohms) permits long cable lengths. -56 db output. 3 $\frac{1}{8}$ "-27 thread connects to standard goosenecks or other flexible or fixed mountings. Head measures 2 $\frac{1}{16}$ " x 1 $\frac{1}{8}$ " diam. With 4-foot, 2-conductor shielded cable.



FRONT VIEW

### M67 PROFESSIONAL MICROPHONE MIXER

A compact, lightweight and economical microphone mixer/remote amplifier specifically designed for studio and remote broadcasting, recording and sound reinforcement. Provides four low-impedance balanced microphone inputs and one line input. The excellent performance and versatility of the M67 makes it ideal for use as a complete, compact console for studio, remote, or original installation use—and as an "add-on" mixer for expanding existing facilities and providing additional microphone inputs with tape recorders and VTR's. Built-in tone oscillator provides calibration signal to balance signal levels.

The M67 features line and microphone level outputs; an illuminated VU meter calibrated for +4 and +10 dbm out; extremely low noise and RF susceptibility; wide, flat frequency response; two-level headphone monitor jack. AC or battery operation (see

accessory battery pack below). Noiseless automatic switchover to battery if AC line fails.

#### M67 SPECIFICATIONS

FREQUENCY RESPONSE:  $\pm 2$  db from 20 to 20,000 Hz.

GAIN: 90 db; 150 ohm microphone into 600 ohm line.

HUM AND NOISE: -125 dbv maximum equivalent input hum and noise, 20 to 20,000 Hz., at 90 db gain.

DISTORTION: Under 1% from 20 to 20,000 Hz. at +10 dbm output, 0.5% typical.

INPUTS: Four low-impedance microphone; one line, bridging or 600 ohms.

OUTPUTS AND LEVELS: +18 dbm max., 600 ohm line; -44 dbv max., microphone.

SIZE AND WEIGHT: 11 $\frac{3}{8}$ " x 7 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "; 4 lbs., 3 oz.

OPERATING TEMPERATURE: 0° to 135°F.



REAR VIEW



### MODEL A67B BATTERY POWER SUPPLY

The A67B Battery Power Supply is designed to power the Shure M67 Microphone Mixer to full rated output.

It may be used either as the sole power source or as a stand-by safety during AC operation, providing automatic noiseless switch-over in case of AC failure.



### MODEL SE20 SOLID STATE STEREO TRANSCRIPTION PREAMPLIFIER

#### SPECIFICATIONS

FREQUENCY RESPONSE:  $\pm 1$  db from 30 to 15,000 Hz. (RIAA/NAB disc playback characteristic)

GAIN: 53 db, adjustable.

DISTORTION: Less than 0.5% THD at +20 dbm from 20 to 20,000 Hz.

CHANNEL SEPARATION: Greater than 50 db.

HUM AND NOISE: At least 60 db below +6 dbm output.

INPUT IMPEDANCE: 47,000 ohms.

OUTPUT IMPEDANCE: For 600 or 150 ohm balanced line. Approximately 80 ohms, actual.

OPERATING TEMPERATURE: Within 0.5 db of all specifications at 20 to 135°F.

MOUNTING SIZE: Panel Opening 3 $\frac{3}{8}$ " x 7". 9 $\frac{1}{8}$ " deep.

OPERATING VOLTAGE: 120 volts  $\pm 10\%$  at 50/60 Hz.  
220 volts  $\pm 10\%$  at 50/60 Hz.

A self-contained, high level, equalized stereo preamplifier specifically designed for highest quality disc reproduction in broadcasting and recording studios. Precise RIAA/NAB equalization. Noise and RF susceptibility are extremely low. Full line output capability to +20 dbm. Under 1/2% distortion at +20 dbm! Individual high and low frequency equalization trimmers on each channel. Individual channel level controls. Excellent channel separation permits use as two separate monaural channels.

# SHURE DISC REPRODUCERS PHONO CARTRIDGES & TONE ARMS

## THE NEW BROADCAST STANDARD

### M44 Series Stereo Dynetic Phono Cartridges



More FM and AM radio stations have standardized on the Shure M44 series of cartridges than any other, because of their unique combination of ruggedness, performance, and versatility. They feature exceptionally good sound, unusual uniformity and stand up best under hard usage. Wide choice of models, including conical or elliptical stylus; light or heavy tracking; special stylus for mono LP and 78 RPM.

#### SPECIFICATIONS

FREQUENCY RESPONSE: From 20 to 20,000 Hz

OUTPUT VOLTAGE: At 1,000 Hz at 5 CM/SEC;

Model M44-7, 11 millivolts per channel.

Model M44-5, 7 millivolts per channel.

Model M44C, 9.3 millivolts per channel.

Model M44E, 9.3 millivolts per channel.

CHANNEL SEPARATION: More than 25 db at 1,000 Hz

### M44 SERIES CARTRIDGES

Cartridge Number	Stylus Number *	Tracking Force	Type of Stylus	Stylus Size	Recommended Applications
M44-5	N44-5*	Light 3/4 - 1 1/2 gms.	Conical	.0005"	Stereo recordings only
M44-7	N44-7*	Medium 1 1/2-3 gms.	Conical	.0007"	All 33 1/3 & 45 RPM Records
M44C	N44C*	Heavy 3 - 5 gms.	Conical	.0007"	All 33 1/3 & 45 RPM Records
M44E	N44E*	Medium 1 3/4 - 4 gms.	Elliptical	.0004" x .0007"	All 33 1/3 & 45 RPM Records
—	N44-1*	Medium 1 1/2 - 3 gms.	Conical	.001"	For Mono LP only
—	N44-3*	Medium 1 1/2 - 3 gms.	Conical	.0025"	For 78 RPM only

\* Note: All M44 series stylus are interchangeable.

## THE WORLD'S FINEST CARTRIDGE

### V-15 Type II Super Trackability Cartridge



The most important advance in cartridges since the advent of stereo! Especially designed for high trackability . . . will track difficult passages cut at highest velocities, including harpsichords, orchestral bells, cymbals, glockenspiels, vocal "S" sounds, etc. at forces as low as 3/4 gram. Eliminates breakup and FM overmodulation due to tracking distortion. Smooth and clean. Extended high end . . . peaks well beyond 15 KC. Especially recommended for FM good music stations and recording studios.

#### SPECIFICATIONS

TRACKABILITY at 1 gram tracking force using a Shure/SME arm: 22 CM/SEC at 400 Hz; 30 CM/SEC at 1,000 Hz  
30 CM/SEC at 5,000 Hz; 22 CM/SEC at 10,000 Hz

FREQUENCY RESPONSE: 20 to 25,000 Hz

OUTPUT VOLTAGE: 3.5 mv per channel at 1,000 Hz at 5 CM/SEC

CHANNEL SEPARATION: Over 25 db at 1,000 Hz

Over 17 db from 500 to 10,000 Hz

CHANNEL BALANCE: Output from each channel within 2 db

STYLUS: VN15E Bi-Radial Elliptical Stylus, Diamond Tip  
.0007 inch (17.8 microns) frontal radius  
.0002 inch (5 microns) side contact radii  
.0010 inch (25 microns) wide between record contact points

TRACKING FORCE: 3/4 to 1 1/2 grams

## MODERATE COST HIGH TRACKABILITY CARTRIDGES

### Model M91E



Second only to the incomparable V-15 Type II in tracking ability and clean sound . . . and costs about 30% less. A definite hearable step in upgrading sound quality—particularly in FM operations. Elliptical stylus, 3/4 to 1 1/2 grams tracking.

#### SPECIFICATIONS

TRACKABILITY at 1 gram tracking force using a Shure/SME arm: 20 CM/SEC at 400 Hz; 28 CM/SEC at 1,000 Hz  
25 CM/SEC at 5,000 Hz; 18 CM/SEC at 10,000 Hz

FREQUENCY RESPONSE: From 20 to 20,000 Hz

OUTPUT VOLTAGE: 5.0 mv per channel at 1,000 Hz at 5 CM/SEC

CHANNEL SEPARATION: More than 25 db at 1,000 Hz

STYLUS: N91E Elliptical with diamond tip .0007 in. x .0002 in.

TRACKING FORCE: 3/4 to 1 1/2 grams.

MODEL M92G SPHERICAL STYLUS HIGH TRACKABILITY CARTRIDGE. With .0006 inch radius spherical diamond tip. Trackability: 18 CM/SEC at 400 Hz; 26 CM/SEC at 1,000 Hz; 25 CM/SEC at 5,000 Hz; 15 CM/SEC at 10,000 Hz.

MODEL M93E ELLIPTICAL STYLUS HIGH TRACKABILITY CARTRIDGE. For heavier tracking at 1 1/2 to 3 grams. .0007 in. x .0004 in. elliptical diamond stylus. Trackability at 2 grams tracking force: 18 CM/SEC at 400 Hz; 25 CM/SEC at 1,000 Hz; 24 CM/SEC at 5,000 Hz; 13 CM/SEC at 1,000 Hz.

MODEL N75-3 STYLUS FOR 78 RPM RECORDS. Fits any of above cartridges. .0025 in. stylus. 1 1/2-3 grams tracking.

## PROFESSIONAL QUALITY TONE ARMS

### SHURE/SME — "THE BEST PICKUP ARM IN THE WORLD"

Permits optimum use of top-quality, light tracking cartridges. Proven rugged in broadcast applications. Provides features and quality unattainable in ANY other tone arm. Made by British craftsmen to singularly close tolerances and standards. All adjustments lock . . . assuring perfect tracking. Wood-lined arm puts resonances outside recorded range. Effective "anti-skating" bias adjuster counterweight. Model 3009 for 12" recordings, Model 3012 for 16" recordings.

### SHURE PROFESSIONAL TONE ARMS

High quality, rugged, simple arm for tracking at 1 1/2 grams or higher. Full range of adjustments for static and dynamic balance, cartridge overhang, arm height, etc. Direct reading tracking force scale. Twist-to-lock head accommodates any stereo or mono cartridge. A real "workhorse" that takes abuse. Simple mounting through a single hole from the top of the table; plug-in cable. Model M232 is for 12" recordings, Model M236 for 16" recordings.

**SHURE**

SHURE BROTHERS, INC.

PROFESSIONAL PRODUCTS DIVISION

222 HARTREY AVE., EVANSTON, ILLINOIS 60204

AREA CODE 312 328-9000 CABLE: SHUREMICRO