**Model "333" STUDIO UNI-RON**

**UNI-DIRECTIONAL RIBBON MICROPHONE**

This quality microphone is designed for discriminating users with the most exacting professional requirements. The rugged "333" is highly recommended for motion-picture studios, TV studios, radio stations, professional recording, and all other uses where quality requirements are of the highest. The "333" is super-cardioid, uni-directional—reduces the pickup of random noise energy by 73%—prevents the pickup of moving props and scuffling feet. The "333" Studio features the patented, world-famous Shure "Uniphase" acoustical network system—a field-proved standard of quality.

**Model "525" STUDIO SLENDYNE**

**OMNI-DIRECTIONAL DYNAMIC MICROPHONE**

The Studio "525" is an exceptionally fine, slender microphone of broadcast quality. It is custom-built to provide high fidelity reproduction of voice and music. The microphone has complete versatility and reliability for indoor and outdoor use and may be used: (1) on a conventional floor or desk stand, (2) in the hand, and (3) with the lavaliere cord and belt clip assembly. The use of high efficiency magnetic materials and specially designed magnetic circuits has made it possible to develop this small microphone and still achieve maximum operating efficiency. The microphone is ruggedly built to withstand hard usage and is unaffected by temperature and humidity variations.

**Model "300" STUDIO GRADIENT**

**BI-DIRECTIONAL RIBBON MICROPHONE**

This professional quality multi-impedance microphone is widely used for tape recording, broadcast and highest quality Public Address use. The "300" has a specially designed anti-"PFF" filter screen—which eliminates pickup of distracting breath noises. It provides sound pickup at the front and rear of the microphone, but greatly reduces pickup at the sides. One of the outstanding features of the "300" is the fact that the microphone can be placed at a 73% greater distance from the performer than is possible with omni-directional microphones. It is ideal for highest-quality reproduction, especially wherever multi-person pickup is desired, yet background noise must be reduced.

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and 1½ db in frequency response.)*
"333" UNI-DIRECTIONAL RIBBON MICROPHONE

LIST PRICE: $250.00
TYPE: Ribbon
FREQUENCY RESPONSE: 30 to 15,000 cps production uniformity guaranteed to plus or minus 2 1/2 db.
OUTPUT LEVEL: 50 ohm impedance: -60 db
150 ohm impedance: -59 db
250 ohm impedance: -59 db
(0 db = 1 milliwatt per 10 microbars)
POLAR PATTERN: Super-Cardioid (Uni-directional)
Response at rear down 12 to 20 db from front.
MAGNETIC CIRCUIT: Uses Alnico V magnet
CASE: Die cast zinc
FINISH: Combination non-reflecting "Bronze-Tone" enamel case with beige aluminum grille.
SWIVEL: New, improved, self-adjusting "positive action" lifetime swivel. Permits tilting the head 45° forward and 70° backward, making it simple to aim the microphone at the source of sound.
SHOCK MOUNT: Special vibration-isolation unit of live rubber construction.
CABLE CONNECTOR: Cannon XL-3-11
CABLE: 20 ft., 2-conductor shielded broadcast type
STAND THREAD: Standard 3/8"—27 thread
STAND COUPLERS: Adapter for 1/2" pipe thread or 3/8"—24 thread available upon request at no extra charge.
SWITCH: Voice-Music Switch to adjust frequency characteristic for optimum performance.
DIMENSIONS: 7 3/8" high; 1 1/8" wide; 1 1/8" deep
NET WEIGHT: (less cable): 1 1/2 lb.; packaged weight 4 1/2 lbs.
OPTIONAL ACCESSORIES: Model S33 Desk Stand, Model A86A Cable-Type Transformer.

"525" OMNI-DIRECTIONAL DYNAMIC MICROPHONE

LIST PRICE: $200.00
TYPE: Dynamic
FREQUENCY RESPONSE: 40 to 15,000 cps, production uniformity guaranteed to plus or minus 2 1/2 db.
OUTPUT LEVEL: At 50, 150, 250 ohms: -61 db
(0 db = 1 milliwatt per 10 microbars)
(0 db = 1 volt per microbar)
POLAR PATTERN: Omni-directional
MAGNETIC CIRCUIT: Uses Alnico V magnet
CASE: Aluminum
FINISH: Non-reflecting “Bronze Tone” enamel with beige grille.
SWIVEL ADAPTER: Furnished with A25 swivel adapter.

"300" BI-DIRECTIONAL GRADIENT MICROPHONE

LIST PRICE: $150.00
TYPE: Ribbon
FREQUENCY RESPONSE: 40 to 15,000 cps production uniformity guaranteed to plus or minus 2 1/2 db.
OUTPUT LEVEL: 30-50 ohms -59 db*
150-250 ohms -60 db**
High -57 db**
(0 db = 1 milliwatt per 10 microbars)
(0 db = 1 volt per microbar)
POLAR PATTERN: Bi-directional. Equally sensitive at front and rear. Response at sides down 15 to 20 db from front and rear responses.
MAGNETIC CIRCUIT: Uses Alnico V magnet
CASE: Die cast zinc
FINISH: Non-reflecting “Bronze-Tone” enamel
SWIVEL: New improved self-adjusting “positive action” lifetime swivel permits tilting the head 45° forward and 90° backward so that the microphone can be aimed at the source of sound.
SHOCK MOUNT: Special vibration-isolation unit of live rubber construction.
CABLE CONNECTOR: Equipped with Cannon XL-3-11 connector.
CABLE: 20 ft., 2-conductor shielded broadcast type
STAND THREAD: 3/8"—27 thread
STAND COUPLERS: Adapter for 1/2" pipe thread or 3/8"—24 thread available upon request at no extra charge.
SWITCH: Equipped with Voice-Music Switch to adjust frequency characteristic for optimum performance.
DIMENSIONS: 6" high; 1 1/8" wide; 2 1/4" deep
NET WEIGHT: (less cable): 1 lb.; packaged weight 4 lbs.
OPTIONAL ACCESSORIES: Model S33 Desk Stand, Model A86A Cable-Type Transformer.
The striking-looking new 330 "UNI-RON" Microphone has been designed to meet the exacting requirements of professional tape recording and highest quality, indoor public-address systems. The "UNI-RON" is basically a member of the Shure Studio Microphone family, similar in appearance and performance to the Model "333". The "UNI-RON" has a super-cardioid pickup pattern—reduces the pickup of undesired random noise energy by 73%!

This rugged performer has been developed to achieve optimum operating performance—for those applications where highest quality is essential, yet cost is an important factor.

Model '330' PROFESSIONAL UNI-RON

This rugged high fidelity multi-impedance microphone is recommended for fine quality, general-purpose uses. The 315 will reproduce voice and music in a clear, natural-tone quality, which makes it ideal for use in auditoriums, night clubs, schools and churches. It is similar in features and design to the Studio Model 300. The 315 is used for those numerous public-address applications where its streamlined design and striking beauty lend dignity and prestige to any setting in which it is used. This gradient microphone is a favorite of professional performers and educators because it provides unusual freedom of motion on the platform—making it possible for the user to stand at a 73% greater distance from the microphone than is possible with omni-directional microphones.

MODEL SPECIFICATIONS

**SPECIFICATIONS FOR MODEL 330**

<table>
<thead>
<tr>
<th>LIST PRICE:</th>
<th>$120.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE:</td>
<td>Ribbon</td>
</tr>
<tr>
<td>FREQUENCY RESPONSE:</td>
<td>30 to 15,000 cps.</td>
</tr>
<tr>
<td>OUTPUT LEVEL:</td>
<td>50 ohm impedance — 59 db*</td>
</tr>
<tr>
<td></td>
<td>150 ohm impedance — 57 db*</td>
</tr>
<tr>
<td></td>
<td>250 ohm impedance — 58 db*</td>
</tr>
<tr>
<td>IMPEDANCE:</td>
<td>Equipped with a Multi-Impedance Switch, furnishing a choice of 3 impedances—50, 150, 250 ohms</td>
</tr>
<tr>
<td>POLAR PATTERN:</td>
<td>Super Cardioid (Uni-directional). Response at rear down 15 db from front.</td>
</tr>
<tr>
<td>MAGNETIC CIRCUIT:</td>
<td>Ribbon Element—Alnico V magnet</td>
</tr>
<tr>
<td>CASE:</td>
<td>Die cast zinc.</td>
</tr>
<tr>
<td>FINISH:</td>
<td>Satin chrome plate with natural anodized aluminum grille</td>
</tr>
<tr>
<td>SWIVEL:</td>
<td>Self-adjusting “positive action” lifetime swivel. Permits tilting the head 45° forward and 70° backward, making it simple to aim the microphone at the source of the sound.</td>
</tr>
<tr>
<td>SHOCK MOUNT:</td>
<td>Special vibration-isolation unit of live rubber construction.</td>
</tr>
<tr>
<td>CABLE CONNECTOR:</td>
<td>Equipped with Cannon XL-3-11 Connector</td>
</tr>
<tr>
<td>CABLE:</td>
<td>20-ft., 2-conductor shielded broadcast type</td>
</tr>
<tr>
<td>STAND THREAD:</td>
<td>Standard 5/8&quot;-27 thread</td>
</tr>
<tr>
<td>DIMENSIONS:</td>
<td>31%256; high, 1%256; wide, 1%256; deep</td>
</tr>
<tr>
<td>NET WEIGHT:</td>
<td>(less cable): 1 lb.; packaged weight 2%256; lbs.</td>
</tr>
<tr>
<td>OPTIONAL ACCESSORIES:</td>
<td>Model S33 Desk Stand, Model A86A Cable-Type Transformer.</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS FOR MODEL 315**

<table>
<thead>
<tr>
<th>LIST PRICES:</th>
<th>Model 315 $89.50, Model 315S (with switch) $91.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE:</td>
<td>Ribbon</td>
</tr>
<tr>
<td>FREQUENCY RESPONSE:</td>
<td>50 to 12,000 cps</td>
</tr>
<tr>
<td>OUTPUT LEVEL:</td>
<td>L—30-50 ohm impedance — 59.5 db*</td>
</tr>
<tr>
<td></td>
<td>M—150-250 ohm impedance — 60 db*</td>
</tr>
<tr>
<td></td>
<td>H—High — 57 db**</td>
</tr>
<tr>
<td>POLAR PATTERN:</td>
<td>Bi-directional. 66% reduction of pickup of undesired sound. Equally sensitive at front and back. Response at sides down 15 to 20 db from front and rear responses.</td>
</tr>
<tr>
<td>MAGNETIC CIRCUIT:</td>
<td>Uses Alnico V magnet</td>
</tr>
<tr>
<td>CASE:</td>
<td>Die cast zinc</td>
</tr>
<tr>
<td>FINISH:</td>
<td>Satin chrome</td>
</tr>
<tr>
<td>SWIVEL:</td>
<td>New self-adjusting swivel permits tilting the head through 90° so that the microphone can be aimed at the source of sound.</td>
</tr>
<tr>
<td>CABLE CONNECTOR:</td>
<td>Equivalent to the Amphenol MC3M plug</td>
</tr>
<tr>
<td>CABLE:</td>
<td>18 ft., two conductor, shielded broadcast type</td>
</tr>
<tr>
<td>STAND THREAD:</td>
<td>Standard 5/8&quot;—27 thread</td>
</tr>
<tr>
<td>DIMENSIONS:</td>
<td>6%256; high, 1%256; wide, 1%256; deep</td>
</tr>
<tr>
<td>NET WEIGHT:</td>
<td>(less cable): 1 lb.; packaged weight 2%256; lbs.</td>
</tr>
<tr>
<td>OPTIONAL ACCESSORIES:</td>
<td>Model S36A Desk Stand, Model A86A Cable-Type Transformer.</td>
</tr>
</tbody>
</table>

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and 1%256; db in frequency response.)
OMNI-DIRECTIONAL DYNAMIC MICROPHONES

SPECIFICATIONS FOR MODEL 530

LIST PRICE: $110.00
TYPE: Dynamic
FREQUENCY RESPONSE: 50 to 15,000 cps
OUTPUT LEVEL: L—50-250 ohms impedance — 61 db (0 db = 1 milliwatt per 10 microbars)
H—High impedance — 61 db (0 db = 1 volt per microbar)
IMPEDEANCE: Equipped with a dual-impedance switch, furnishing a choice of 2 impedances—L-50-250, H-high.
POLAR PATTERN: Omni-directional
MAGNETIC CIRCUIT: Uses Alnico V magnet
CASE: Aluminum
FINISH: Black and gold anodized
SWIVEL ADAPTER: Furnished with A25 type swivel adapter. It is a self-adjusting “Positive Action” lifetime swivel which permits the microphone to be tilted through 90° from vertical to horizontal, making it simple to aim the microphone at the source of sound.
CABLE CONNECTOR: Cannon XL-3-11
CABLE: 20 ft. high quality, 2-conductor shielded broadcast type
STAND THREAD: With swivel adapter, standard 5/8"—27 thread and may be mounted on any conventional desk, banquet or floor stand.
SWITCH: On-Off (normally closed)
DIMENSIONS: 7⅛" high, 1" diameter
NET WEIGHT: (less cable): ¾ lb.; packaged weight 2½ lbs.
FURNISHED ACCESSORIES: On-Off Switch with Adapter Plate, A25B Swivel Adapter, and A28L Lavalier Assembly.
OPTIONAL ACCESSORIES: Model S33B Desk Stand, Model A86A Cable-Type Transformer.

SPECIFICATIONS FOR MODEL 535

LIST PRICE: $72.50
TYPE: Dynamic
FREQUENCY RESPONSE: 60 to 13,500 cps
OUTPUT LEVEL: L—50-250 ohms impedance — 61 db (0 db = 1 milliwatt per 10 microbars)
H—High impedance — 61 db (0 db = 1 volt per microbar)
IMPEDEANCE: Equipped with a dual-impedance switch, furnishing a choice of 2 impedances—L-50-250 ohms, H-high.
POLAR PATTERN: Omni-Directional
MAGNETIC CIRCUIT: Uses Alnico V magnet
CASE: Brass
FINISH: Satin chrome
SWIVEL ADAPTER: Furnished with Model A25 type Swivel Adapter. It is self-adjusting and permits the microphone to be tilted through 90° from vertical to horizontal, making it simple to aim the microphone at the source of sound.
CABLE CONNECTOR: Equivalent to Amphenol MC3M plug.
CABLE: 18 ft. 2-conductor shielded broadcast type
STAND THREAD: With swivel adapter, standard 5/8"—27 thread, and may be mounted on any conventional desk, banquet or floor stand.
SWITCH: On-Off (normally closed)
DIMENSIONS: 7⅜" high, 1" diameter
NET WEIGHT: (less cable): ¾ lb.; packaged weight 2½ lbs.
FURNISHED ACCESSORIES: On-Off Switch Adapter plate, A25 type Swivel Adapter.
OPTIONAL ACCESSORIES: Model S33 Desk Stand, Model A86A Cable-Type Transformer and A28L Lavalier Assembly.

Model '530" BROADCAST SLENDYNE *

The Slendynes are the most versatile fine quality probe microphones ever developed—actually five microphones in one because of their practical design and useful accessories. They can be used for indoor or outdoor applications in the following manner: (1) in the hand; (2) on a floor or desk stand; (3) hung around the neck on a lavalier cord and clip assembly; (4) "on-off" switch adapter; (5) "high and low" dual-impedance switch. The Slendynes are ideal for high quality public address, theater-stage sound systems and all recording applications where an omni-directional microphone is desirable. These microphones are ruggedly built to withstand hard usage, and are unaffected by temperature and humidity variations.

SLENDYNE *

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and 1½ db in frequency response.)
GENERAL PURPOSE MICROPHONES

Unidyne III — smallest unidirectional dynamic microphones. Feature truly uniform cardioid pickup pattern.

Recommended for critical broadcast and theater-stage sound system operation, high quality public address and recording applications.

SPECIFICATIONS FOR MODEL 546

LIST PRICE: $135.00
TYPE: Dynamic
FREQUENCY RESPONSE: 50-15,000 cps.
OUTPUT LEVEL: Low: -57 db (0 db = 1 milliwatt per 10 microbars) High: -55 db (0 db = 1 volt per microbar)
IMPEDANCE: Dual. Choice of 50-250 ohms or high.
POLAR PATTERN: Cardioid (Uniform with frequency, symmetrical about axis).
MAGNETIC CIRCUIT: uses Alnico V magnet
CASE: Die cast zinc and “Armo-Dur”.
FINISH: Satin chrome and black.
SWIVEL: New improved self-adjusting “positive action” lifetime swivel permits tilting of the head through 180° so that the microphone can be aimed at the source of sound.
SHOCK MOUNT: Special vibration-isolation unit of live rubber construction.
CABLE CONNECTOR: Equipped with Cannon XL-3-11 connector.
CABLE: 20 ft., 2-conductor shielded broadcast type.
STAND THREAD: 5/8”-27 thread.
DIMENSIONS: Length 4.5”, Diameter 11/4”
NET WEIGHT (less cable): 1 lb., packaged weight 4 lbs.
OPTIONAL ACCESSORIES: Model S33B Desk Stand. Model A86A Cable Type Transformer.

Recommended for dependable use in applications where a quality microphone with on-off switch is required.

SPECIFICATIONS FOR MODEL 545S

LIST PRICE: $89.95
TYPE: Dynamic
FREQUENCY RESPONSE: 50-15,000 cps.
OUTPUT LEVEL: Low: -57 db (0 db = 1 milliwatt per 10 microbars) High: -55 db (0 db = 1 volt per microbar)
IMPEDANCE: Dual. Choice of 50-250 ohms or high.
POLAR PATTERN: Cardioid (Uniform with frequency, symmetrical about axis).
MAGNETIC CIRCUIT: uses Alnico V magnet
CASE: Die cast zinc and “Armo-Dur”.
FINISH: Satin chrome and black.
SWIVEL: New improved self-adjusting “positive action” lifetime swivel permits tilting of the head through 180° so that the microphone can be aimed at the source of sound.
CABLE CONNECTOR: Equivallent to Amphenol MC4M plug.
CABLE: 18 ft., 3-conductor shielded.
STAND THREAD: 5/8”-27 thread.
DIMENSIONS: Length 4.5”, Diameter 11/4”
NET WEIGHT (less cable): 3/4 lb., packaged weight 2 1/2 lbs.
OPTIONAL ACCESSORIES: Model A86A Cable Type Transformer. Model S36A Desk Stand.

Recommended for public address, tape recording, fixed-station communications, and a variety of other applications requiring compactness coupled with maximum operating efficiency.

SPECIFICATIONS FOR MODEL 545

LIST PRICE: $85.00
TYPE: Dynamic
FREQUENCY RESPONSE: 50-15,000 cps.
OUTPUT LEVEL: Low: -57 db (0 db = 1 milliwatt per 10 microbars) High: -55 db (0 db = 1 volt per microbar)
IMPEDANCE: Dual. Choice of 50-250 ohms or high.
POLAR PATTERN: Cardioid (Uniform with frequency, symmetrical about axis).
MAGNETIC CIRCUIT: uses Alnico V magnet
CASE: Die cast zinc and “Armo-Dur”.
FINISH: Satin chrome and black.
CABLE CONNECTOR: Equivallent to Amphenol MC4M plug.
CABLE: 18 ft., 3 conductor shielded.
DIMENSIONS: Length 4.5”; Diameter 1 1/4”
NET WEIGHT (less cable): 1/2 lb., packaged weight 2 1/2 lbs.
FURNISHED ACCESSORIES: A25B swivel adapter.
OPTIONAL ACCESSORIES: A86A Cable Type Transformer, S33B desk stand.

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and 1/2 db in frequency response.)
GENERAL PURPOSE MICROPHONES

WORLD FAMOUS "UNIDYNE" MICROPHONES

SPECIFICATIONS FOR MODEL 55S

LIST PRICE: Model 55S $83.00, Model 55SW (with switch) $85.00

TYPE: Dynamic

FREQUENCY RESPONSE: 50 to 15,000 cps

OUTPUT LEVEL:
- L—35-50 ohms —54 db (0 db = 1 milliwatt per 10 microbars)
- M—150-250 ohms —55 db (0 db = 1 milliwatt per 10 microbars)
- H—High —57 db (0 db = 1 volt per microbar)


POLAR PATTERN: Ultra-Cardioid (uni-directional) Response at rear down 15 db from front.

MAGNETIC CIRCUIT: Uses Alnico V Magnet

CASE: Die cast zinc

FINISH: Satin chrome

SWIVEL: New improved self-adjusting "positive action" lifetime swivel permits tilting of the head through 80° so that the microphone can be aimed at the source of sound.

CABLE CONNECTOR: Equivalent to Amphenol MC3M

CABLE: 18 ft., 2-conductor, shielded broadcast type

STAND THREAD: Standard 5/8"—27 thread

DIMENSIONS: 7½" high, 2½" wide, 3½" deep

NET WEIGHT: (less cable): 1½ lb; packaged weight 3½ lbs.

OPTIONAL ACCESSORIES: Model S36A Desk Stand, Model A86A Cable Type Transformer.

Models 55S, 55SW AND 556S

UNI-DIRECTIONAL DYNAMIC MICROPHONES *

For many years the Unidynes have been the most widely used microphones throughout the world. They are specified by leading sound engineers and requested by famed celebrities—for those important events where the faithfulness of sound reproduction is most critical. And now, "The Best is Even Better"—for the famed Unidynes are now 41% higher in output level! This means that the Unidynes are ideal for use with low-gain tape recorders and low-gain P. A. systems— in addition to their famed use with highest quality sound systems.

Models 55S and 55SW are highly recommended for fine quality public address, theater-stage sound systems, recording and remote broadcasting. They are also the field-proved standards for fixed-station use in the police, fire, transportation, forestry and commercial services.

Model 556S is specially designed to meet the high technical requirements of broadcast and television studios. It will endure the heavy punishment of daily use and abuse—will operate at optimum efficiency while conventional microphones are "out of service," due to their frequent need for maintenance and repair. It is held within close tolerances in frequency response and directivity. The Broadcast Unidyne is ideal for high quality station and remote broadcasting, public address, theater-stage sound systems and recording applications. The 556S is provided with a vibration-isolation unit of live rubber construction. This specially designed shock-mount completely eliminates metal-to-metal contact between microphone and stand.

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and 1½ db in frequency response.)
GENERAL PURPOSE MICROPHONES

THE "SONODYNE" FAMILY

SPECIFICATIONS FOR MODEL 540S

LIST PRICE: $49.95
TYPE: Dynamic
FREQUENCY RESPONSE: 60 to 10,000 cps (Provisions for alternate response for voice intelligibility in paging and communications systems).
OUTPUT LEVEL: 50-250 ohm impedance: -57 db (0 db = 1 milliwatt per 10 microbars)
High impedance: -52.5 db (0 db = 1 volt per microbar)
IMPEDANCE: Dual. Choice of 50—250 ohms or high.
Polar Pattern: Omni-directional.
CASE: Die cast zinc and "Armo-Dur."
FINISH: Satin chrome and black.
SWIVEL: New improved self-adjusting "positive action" lifetime swivel permits tilting of the head through 150° so that the microphone can be aimed at the source of sound.
CABLE CONNECTOR: Equivalent to Amphenol MC3M.
CABLE: 15 ft., 2-conductor shielded.
STAND THREAD: 5/8"—27 thread.
DIMENSIONS (not including swivel): 1⅞" diameter 3⅞" length.
NET WEIGHT (less cable): 1¼ lbs., packaged weight 3½ lbs.
FURNISHED ACCESSORIES: Resonator plate and set-screw for changing response.
OPTIONAL ACCESSORIES: Model S36A Desk Stand, Model A86A Cable Type Transformer.

SPECIFICATIONS FOR MODEL 51 AND 51S

LIST PRICE: Model 51—$49.50
Model 51S (with switch)—$51.50
TYPE: Dynamic
FREQUENCY RESPONSE: 60 to 10,000 cps
OUTPUT LEVEL: L -35-50 ohm impedance -53 db*
M -150-250 ohm impedance -52.5 db*
H -High -52 db**
*0 db = 1 milliwatt per 10 microbars
**0 db = 1 volt per microbar
IMPEDANCE: Equipped with a multi-impedance switch, furnishing a choice of 3 impedances—L-35-50 ohms, M-150-250 ohms, H-High
Polar Pattern: Omni-directional
Magnetic Circuit: Uses Afnico V magnet
CASE: Die cast zinc
FINISH: Satin chrome
SWIVEL: Lifetime swivel permits tilting the head 90° backward to horizontal position for omni-directional pickup.
CABLE CONNECTOR: Equivalent to Amphenol MC3M.
CABLE: 15 ft., 2-conductor shielded.
STAND THREAD: Standard 5/8"—27 thread.
DIMENSIONS: 5 ⅛" high 3⅞" wide 2⅛" deep.
NET WEIGHT (less cable): 1⅝ lbs., packaged weight 3½ lbs.
OPTIONAL EQUIPMENT: Model S36A Desk Stand, Model A86A Cable Type Transformer.

Model 540S "SONODYNE II"
A compact, modernistic microphone with high output dynamic element at moderate cost. The "Sonodyne II" features variable frequency response which allows the user to tailor the microphone to the application—one of the most versatile microphones on the market!

Models 51 and 51S "SONODYNE"
The "Sonodyne" is recommended for all general purposes, including public address, wire and tape recording, and similar applications. It is used by bands, instrumentalists and recording artists because of its excellent reproduction of both voice and music. Because of its high output and multi-impedance features, tape recording enthusiasts have used the Sonodyne as an ideal good-quality, moderately-priced replacement for the conventional microphone supplied with tape recorders.
VERSATILE CRYSTAL MICROPHONES

Model 737A "MONOPLEX"

The "Monoplex" is the only Super-Cardioid Crystal Microphone made—far superior to any other crystal microphone. It is excellent for high-quality public address, communications, recording, and similar applications. The 737A operates under adverse conditions of background noise and reverberation—where a conventional microphone would be inadequate. Eliminates feedback problems and reduces pickup of random sound by 73%! Has moisture-proof "Metal Seal" crystal for long operating life.

SPECIFICATIONS FOR MODEL 737A

LIST PRICE: $46.00
TYPE: Crystal—Moisture-proof "Metal Seal" crystal for long operating life.
FREQUENCY RESPONSE: 60 to 10,000 cps
OUTPUT LEVEL: —53 db* (0 db=1 volt per microbar)
IMPEDANCE: High. Recommended load: 1 to 5 meg. ohms
POLAR PATTERN: Super Cardioid, for 73% reduction of pickup of random noise energy.
CASE: Die cast zinc
FINISH: Satin chrome
SWIVEL: Lifetime swivel permits tilting the head 90° backward to horizontal position for omni-directional pickup.
CABLE CONNECTOR: Equivalent to Amphenol MC3M plug for attaching cable to microphone.
CABLE: Detachable 7 ft., rubber-covered, single conductor shielded.
STAND THREAD: Standard 5/8"—27 thread
SWITCHES: Models 777S and 777SA are equipped with Model A25 swivel stand adapter. It has a self-adjusting "positive action" lifetime swivel which permits the microphone to be tilted 90° from vertical to horizontal.
CABLE CONNECTOR: Equipped with Amphenol MC1F plug for attaching cable to microphone.
SWITCHES: Models 777S and 777SA have a built-in switch to control the microphone circuit. The switch is of the press-to-talk locking or non-locking type.
DIMENSIONS: (Microphone only) 4½" high, 1" diameter.
NET WEIGHT: (Microphone only) ¾ lb.; packaged weight 3½ lb.
OPTIONAL ACCESSORIES: Model S38 Desk Stand, A25 type swivel Adapter.

Model 777 "SLIM-X"

The "777" Slim-X Microphones are rugged little microphones weighing only 6 ounces. They use a "Metal Seal" crystal for long operating life under adverse conditions of heat and humidity. They are designed for good-quality voice and music reproduction. Their versatility and "hand-ability" make them ideal for use by lecturers, announcers, instructors, and Hams; for audience participation shows; carnivals; panel and quiz shows; and use with home-recorders. When mounted on either cradle or swivel, the "777" can be removed in a flash (no tools necessary)—simply by lifting it out of the holder. This makes it an ideal "walk-around" hand-held microphone. All models are furnished with a lavalier cord, for suspension of microphone around the neck.

SPECIFICATIONS FOR MODEL 777

LIST PRICE: Model 777—$25.00 Includes A37L lavalier cord and molded stand adapter.
Model 777S—$27.00 Includes A37L lavalier cord, "On-Off" switch and molded stand adapter.
Model 777A—$33.00 Includes A37L lavalier cord, A25 Swivel stand adapter, S38 Desk Stand.
Model 777SA—$35.00 Includes A37L lavalier cord, A25 Swivel stand adapter, S38 Desk Stand and "On-Off" switch.
TYPE: Crystal—moisture-proof "Metal Seal" for long operating life.
FREQUENCY RESPONSE: Smooth, peak free from 60 to 10,000 cps.
OUTPUT LEVEL: —62 db (0 db=1 volt per microbar)
POLAR PATTERN: Omni-directional
CASE: Die cast zinc
FINISH: Satin chrome
SWIVEL: Models 777S and 777SA have a built-in switch to control the microphone circuit. The switch is of the press-to-talk locking or non-locking type.
DIMENSIONS: (Microphone only) 4½" high, 1" diameter.
NET WEIGHT: (Microphone only) ¾ lb.; packaged weight 3½ lb.
OPTIONAL ACCESSORIES: Model S38 Desk Stand, A25 type swivel Adapter.
LOW COST ALL PURPOSE CERAMIC & CRYSTAL MICROPHONES

Model 275S
Smart, modern design with rugged, lightweight construction in a low-cost unit. Wide-range response for tape recording, public address, amateur radio and many other applications. Built-in filter reduces voice “pop”. Complete with locking, slide-to-talk switch, plus lavaliel assembly and stand adapter.

LIST PRICE: $15.00
TYPE: Ceramic
FREQUENCY RESPONSE: 40 to 12,000 cps.
OUTPUT LEVEL: -59.5 db (0 db = 1 volt per microbar)
IMPEDANCE: High—Recommended load impedance: 1 to 5 megohms
POLAR PATTERN: Omnidirectional
CASE: Black high impact “Armo-Dur” body with satin anodized cap and filter
CABLE: 7 foot single conductor shielded
SWITCH: Slide-to-talk locking type
DIMENSIONS: 43/32” long by 111/32” diameter
FURNISHED ACCESSORIES: Stand adapter with standard 5/8”—27 thread, and lavaliel assembly.
OPTIONAL ACCESSORIES: S38B Desk Stand.
NET WEIGHT: 4 oz.

Model 215 and 715
These beautifully designed microphones are excellent for voice and music reproduction. Their extremely low price and good quality make them a “natural” for home recording, intercom systems and inexpensive public address systems. The “Starlite” microphones can be held in the hand, or used on a desk by simply releasing a “built-in”, retractable stand which is an integral part of the back of the microphone case.

LIST PRICE: $8.00
TYPE: Model 215—Ceramic, Model 715—Crystal
FREQUENCY RESPONSE: Model 215—50-8,000 cps, Model 715—50-10,000 cps
OUTPUT LEVEL: Model 215—56.5 db (0 db = 1 volt per microbar), Model 715—50 db (0 db = 1 volt per microbar)
IMPEDANCE: High—Recommended load impedance: 1 to 5 megohms
POLAR PATTERN: Semi-directional
CASE: Die cast zinc
FINISH: Metallic burgundy red
CABLE: 7 ft. fabric covered, single-conductor shielded
STAND THREAD: Standard 5/8”—27 thread which fits the conventional floor stand
SWITCH: Model 710S has a built-in, press-to-talk switch
DIMENSIONS: 3½” high, 2½” wide, 1½” deep
NET WEIGHT: 3½ oz.; packaged weight ½ lb.

Model 710
Low price, rugged hand-held microphone, designed for high speech intelligibility. A natural for radio amateur rigs and low-cost public address systems. Has a broad base, complete with stand adapter for mounting on floor stand.

LIST PRICE: Model 710A $12.00, Model 710S (with switch) $14.00
TYPE: Crystal
FREQUENCY RESPONSE: 60 to 9,000 cps
OUTPUT LEVEL: -50 db (0 db = 1 volt per microbar)
IMPEDANCE: High—Recommended load impedance: 1 to 5 megohms
POLAR PATTERN: Semi-directional
CASE: Die cast zinc
FINISH: Metallic burgundy red
CABLE: 7 ft. fabric covered, single-conductor shielded
STAND THREAD: Microphones are provided with a stand adapter having the Standard 5/8”—27 thread which fits the conventional floor stand
SWITCH: Model 710S has a built-in, press-to-talk switch
DIMENSIONS: 3½” high, 2½” wide, 1½” deep
OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stands
NET WEIGHT: 3½ lb.; packaged weight 1½ lbs.

Model 707A
Ideal for low-cost public address systems, call systems, amateur phone transmitters and general purpose use. Features good-quality reproduction at low cost. Uses moisture-proofed Bimorph Rochelle Salt crystal, for long-life operation.

LIST PRICE: $19.50
TYPE: Crystal
FREQUENCY RESPONSE: 30 to 7,000 cps
OUTPUT LEVEL: -50 db (0 db = 1 volt per microbar)
IMPEDANCE: High—Recommended load impedance: 1 to 5 megohms
POLAR PATTERN: Semi-directional
CASE: Die cast zinc
FINISH: Iridescent gray case, satin chrome grille
CABLE: 7 ft., single-conductor shielded
STAND THREAD: Standard 5/8”—27 thread
DIMENSIONS: 3½” high, 2½” wide, 1½” deep
OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stands
NET WEIGHT: 3½ lb.; packaged weight 1½ lbs.
Model 510 "HERCULES"
The 510 is ideal for general purpose use in areas where heat and humidity are a problem. Provides ruggedness, clear reproduction and high output. Recommended for Annunciating; Mobile Public Address Systems; Communications; Home Recording; and Intercom Systems. Fits snugly in the hand, or sits firmly on a desk.

SPECIFICATIONS:
- LIST PRICE: Model 510C $17.00, Model 510S (with switch) $19.00
- TYPE: Controlled Magnetic
- FREQUENCY RESPONSE: 100 to 7,000 cps
- OUTPUT LEVEL: -52.5 db (0 db = 1 volt per microbar)
- IMPEDANCE: High. Recommended load 100,000 ohms or more
- POLAR PATTERN: Semi-directional
- CASE: Die cast zinc
- FINISH: Metallic green
- CABLE: 7 ft., 2-conductor, shielded
- STAND THREAD: Microphone provided with a stand adapter having a 5/8" - 27 thread which fits the conventional floor stand
- SWITCH: Model 510S has a built-in switch to control the microphone circuit. The switch is of the press-to-talk locking or non-locking type
- DIMENSIONS: With stand 3½" high, 2¼" wide, 7" deep
- NET WEIGHT: 2 lbs.; packaged weight 2½ lbs.
- OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stand

Model 510SLB
Model 510SLB is a complete assembly of a low impedance, Controlled Magnetic Microphone with switch and a desk stand. It is designed for mobile and fixed-station use in all types of communications, paging, and dispatching systems.

SPECIFICATIONS:
- LIST PRICE: Model 510SLB $29.75
- TYPE: Controlled Magnetic
- FREQUENCY RESPONSE: 100 to 7,000 cps
- OUTPUT LEVEL: -51 db (0 db = 1 milliwatt with 10 microbars)
- IMPEDANCE: 150-250 ohms

Model 520 "GREEN BULLET"
The "Green Bullet" is designed to provide quality music and speech reproduction at moderate cost. It is practically immune to the effects of high temperature and humidity. The "Green Bullet" is highly recommended for those public address systems where low cost is a must, good reproduction is essential and ruggedness is a necessity.

SPECIFICATIONS:
- LIST PRICE: Model 520 $22.50, Model 520B $22.50
- TYPE: Controlled Magnetic
- FREQUENCY RESPONSE: 100 to 9,000 cps
- OUTPUT LEVEL: Model 520: -52.5 db (0 db = 1 volt per microbar)
- MODEL 520B: -51.0 db (0 db = 1 milliwatt with 10 microbars)
- IMPEDANCE: Model 520: High. Recommended load 100,000 ohms or more. Model 520B: 150-250 ohms
- POLAR PATTERN: Semi-directional
- CASE: Die cast zinc
- FINISH: Metallic green with satin chrome grille
- CABLE: Model 520 — 7 ft., single conductor shielded. Model 520B — 7 ft., 2 conductor shielded
- STAND THREAD: Standard 5/8" - 27 thread
- DIMENSIONS: Diameter 2½", overall length 3½"
- NET WEIGHT: 1 lb., packaged weight; 1½ lbs.
- OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stands, Model A86A cable type transformer (for use only with Model 520B)
"CONTROLLED MAGNETIC" GENERAL PURPOSE MICROPHONES

The Commando series represents a significant achievement in providing quality performance at nominal cost. These dramatic looking, rugged microphones can be used indoors or outdoors. Models 415 and 430 provide practical versatility of operation. They can be held in the hand, set on a floor stand or on a desk stand—can be inserted or withdrawn from the stand in a second, without the use of any tools! Coupled with this versatility of usage, the Commandos provide excellent voice and music reproduction, making them ideal for general-purpose applications where both voice and music reproduction are of critical importance. Commandos can be used for tape recording in the home; theater-restaurant public address systems; lecturing; paging and dispatching systems; interview-type shows; outdoor public address systems for carnivals, picnics and special events.

SPECIFICATIONS FOR "COMMANDO" MODELS 415, 420 AND 430

<table>
<thead>
<tr>
<th></th>
<th>415</th>
<th>420</th>
<th>430</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>List Price:</strong></td>
<td>$27.50</td>
<td>$30.00</td>
<td>$38.50</td>
</tr>
<tr>
<td><strong>Type:</strong></td>
<td>CONTROLLED MAGNETIC</td>
<td>CONTROLLED MAGNETIC</td>
<td>CONTROLLED MAGNETIC</td>
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<tr>
<td><strong>Frequency Response:</strong></td>
<td>60 to 10,000 c.p.s.</td>
<td>60 to 10,000 c.p.s.</td>
<td>60 to 10,000 c.p.s.</td>
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<tr>
<td><strong>Impedance:</strong></td>
<td>High</td>
<td>High</td>
<td>High</td>
</tr>
<tr>
<td><strong>Output Level:</strong></td>
<td>High -52 db (0 db = 1 volt per microbar)</td>
<td>High -52 db (0 db = 1 milliwatt per 10 microbars)</td>
<td>Low -52 db (0 db = 1 milliwatt per 10 microbars)</td>
</tr>
<tr>
<td><strong>Polar Pattern:</strong></td>
<td>OMNI-DIRECTIONAL</td>
<td>OMNI-DIRECTIONAL</td>
<td>OMNI-DIRECTIONAL</td>
</tr>
<tr>
<td><strong>Case:</strong></td>
<td>Impact-resistant polystyrene and die cast zinc.</td>
<td>Impact-resistant polystyrene.</td>
<td>Impact-resistant polystyrene and die cast zinc.</td>
</tr>
<tr>
<td><strong>Finish:</strong></td>
<td>Non-reflecting gray and satin chrome.</td>
<td>Non-reflecting gray.</td>
<td>Non-reflecting gray and satin chrome.</td>
</tr>
<tr>
<td><strong>Cable:</strong></td>
<td>7' non-detachable single conductor shielded</td>
<td>10' non-detachable, 2 conductor, shielded</td>
<td>15'2 conductor shielded with Amphenol NC2M connector for attaching to microphone.</td>
</tr>
<tr>
<td><strong>Switch:</strong></td>
<td>None</td>
<td>None</td>
<td>Press-to-talk switch—normally closed</td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td>Length 51/4&quot; Diameter of head 1 1/4&quot; Diameter of handle 1 1/8&quot;</td>
<td>Length 3 1/4&quot; Diameter of head 1 1/4&quot; Diameter of handle 1 1/8&quot;</td>
<td>Length 6 3/4&quot; Diameter of head 1 1/4&quot; Diameter of handle 1 1/2&quot;</td>
</tr>
<tr>
<td><strong>Net Weight:</strong></td>
<td>3/4 lb.</td>
<td>1 lb.</td>
<td>3 1/4 lb. (less cable)</td>
</tr>
<tr>
<td><strong>Packaged Weight:</strong></td>
<td>3 lb.</td>
<td>3 lb.</td>
<td>3 1/2 lb.</td>
</tr>
</tbody>
</table>

**Furnished Accessories:**
- Model A25B Self-adjusting Swivel Adapter with standard 1/4"-27 stand thread permits microphone to be tilted through 90° arc from vertical to horizontal, making it simple to aim the microphone at the source of sound.
- Lavalier Cord and clip assembly. Readily detachable for use of microphone as a hand-held type.
- Switch locking plate for keeping switch in "on" position. Model A25B Self-adjusting Swivel Adapter with standard 1/4"-27 stand thread permits microphone to be tilted through 90° arc from vertical to horizontal, making it simple to aim the microphone at the source of sound.

**Optional Accessories:**
- Model S38B or S33B Desk Stand A34L Lavalier Assembly
- Model A65A Cable Type Transformer
- Model A66A Cable Type Transformer and Model S33B or S33B Desk Stand. A34L Lavalier Assembly.
SPECIAL PURPOSE MICROPHONES

The 404 features the high-impact "Armo-Dur" corrosion-proof case.

CONTROLLED MAGNETIC 404 SERIES

The Shure Controlled Magnetic "Ten-Four" is recommended for those applications where a rugged hand-held microphone is needed. It is ideal for outdoor public address (sports arenas, athletic fields, carnivals, etc.) and for mobile communications. The "Ten-Four" is designed for high speech intelligibility. Easy to use, fits snugly in the palm of the hand.

ATTENTION "HAMS"—You'll find the "TEN-FOUR" to be a choice microphone for all your mobile communications applications.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>404B</th>
<th>405B</th>
<th>405KB</th>
<th>404C</th>
<th>405C</th>
<th>405K</th>
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<tr>
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<td>$33.00</td>
<td>$32.00</td>
<td>$37.50</td>
<td>$33.00</td>
<td>$32.00</td>
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<tr>
<td>Type</td>
<td>CONTROLLED MAGNETIC</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Response</td>
<td>200 to 8,000 cps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Level</td>
<td>-50 db (0 db = 1 milli watt) per 10 micrometers</td>
<td>-50.5 db (0 db = 1 volt) per micrometer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>150 to 250 ohms</td>
<td>High Recommended load 100,000 ohms or more</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polar Pattern</td>
<td>OMNI-DIRECTIONAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case</td>
<td>High-impact gray &quot;Armo-Dur&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Cable Length</td>
<td>5½ ft. Extended</td>
<td>5 ft.</td>
<td>5½ ft. Extended</td>
<td>5 ft.</td>
<td>5½ ft. Extended</td>
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<tr>
<td>Type</td>
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<td>Tinsel</td>
<td>Copper</td>
<td>Copper</td>
<td>Tinsel</td>
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<tr>
<td>Description</td>
<td>4 Conductor (2 cond. shielded) Coiled Cord</td>
<td>4 Conductor (2 cond. shielded) Straight Cord</td>
<td>3 Conductor (1 cond. shielded) Coiled Cord (Amphenol MC4M plug attached)</td>
<td>3 Conductor (1 cond. shielded) Coiled Cord (Amphenol MC4M plug attached)</td>
<td>3 Conductor (1 cond. shielded) Coiled Cord (Amphenol MC4M plug attached)</td>
<td></td>
</tr>
<tr>
<td>Switch</td>
<td>Normally closed*</td>
<td>Normally closed</td>
<td>Normally open</td>
<td>Normally closed*</td>
<td>Normally closed</td>
<td>Normally open</td>
</tr>
<tr>
<td>Mic Circuit</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
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</tr>
<tr>
<td>Relay Circuit</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
<td>Normally open</td>
</tr>
<tr>
<td>Dimensions</td>
<td>3½&quot; high, 2½&quot; wide, 1½&quot; deep</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>¾ lb.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Package Weight</td>
<td>¾ lb.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fitted Accessories</td>
<td>Model A86A cable type transformer</td>
<td>Mounting bracket for permanent placement with the associated equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional Accessories</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

*PROVISIONS FOR SIMPLE CHANGE TO NORMALLY OPEN.

The perfect improvement-replacement for carbon microphones now used in mobile communications equipment. An outstanding feature incorporated in this unit is a TRANSISTOR AMPLIFIER, housed within the case. It is powered by the current available from the carbon microphone circuit. Does not require batteries or extra power-supplies. Provides remarkable speech clarity and is free from the aging common to carbon microphones used under conditions of vibration. Recommended for mobile communications where carbon microphones have been in use: police, bus, trucking, taxi cab, etc., where high speech intelligibility and long operating life are essential.

SPECIFICATIONS FOR MODEL 40ST

LIST PRICE: $48.50

TYPE: Controlled Magnetic with TRANSISTOR AMPLIFIER

FREQUENCY RESPONSE: 200 to 4,000 cps

OUTPUT LEVEL: -1 db loaded with 500 ohms (0 db = 1 milli watt per 100 microbars)

POLAR PATTERN: Semi-Directional

CASE: High-impact gray "Armo-Dur"

CABLE: 5 ft. extended, 4-conductor stranded coiled cord, Model C15C.

SWITCH: Equipped with heavy-duty, push-to-talk switch. Controls external relay.

DIMENSIONS: 3½" high, 2½" wide, 1½" deep

NET WEIGHT: ¾ lb., packaged weight ¾ lb.

Model 40ST is a conversion kit containing a controlled magnetic cartridge and transistor amplifier. It is designed to convert carbon microphones into improved controlled magnetic transistorized microphones. Conversion takes only a matter of minutes—and all that is necessary is a screwdriver, a long-nose plier and a soldering iron.

SPECIFICATIONS FOR MODEL R5T

LIST PRICE: $25.00

TYPE: Controlled magnetic with transistor amplifier

FREQUENCY RESPONSE: 200 to 4,000 cps

OUTPUT LEVEL: -1 db loaded with 500 ohms (0 db = 1 milli watt per 100 microbars)

POLAR PATTERN: Omni-directional
The response characteristic of these microphones has been tailored to meet the demands of radio communications. These microphones are ideally suited for single-sideband broadcast. The rising response characteristic with sharp cutoff below 300 and above 3000 cps. eliminates the need for audio filters.

These units utilize a rugged, time-proven, controlled magnetic element, with high output equalling that of a crystal unit. The 440 and 440SL are ideal for use with all types of amateur transmitters.

**SPECIFICATIONS: MODEL 440 AND MODEL 440SL MICROPHONES**

**LIST PRICE:** 440—$25.00—440SL—$47.50  
**TYPE:** Controlled Magnetic.  
**FREQUENCY RESPONSE:** 300 to 3000 cps.  
**OUTPUT LEVEL:** -52.5 db (0 db=1 volt per microbar)  
**IMPEDANCE:** High. Recommended Load 100,000 ohms or more.  
**POLAR PATTERN:** Omni-directional.  
**CASE:** Die-cast zinc.  
**FINISH:** 440—Satin Chrome.  
440SL—Satin Chrome with gray base.  
**CABLE CONNECTOR:** 440SL—Equivalent to Amphenol MC3M plug.  
**CABLE:** 440—7 ft., single conductor shielded.  
440SL—7 ft., high quality 2-conductor shielded.  
**SWITCH:** 440SL—Equipped with grip-to-talk switch, similar to Shure A88A.  
**STAND THREAD:** 440—standard 5/16”—27 thread.  
**DIMENSIONS:** 440—21/32” diameter, 31/2” overall length.  
440SL—91/4” high, 5” wide, 7” deep (with stand).  
**NET WEIGHT:** 440—1 lb., Packaged weight 13/4 lbs.  
440SL—23/4 lbs., Packaged weight 33/4 lbs.  
**OPTIONAL ACCESSORIES:** 440—Models S34B or S36A Desk Stands.  
440SL—A87K Modification Kit*  

*A87K MODIFICATION KIT  
for use with  
SHURE MODEL 440SL MICROPHONE  
The Shure A87K Kit will modify the 440SL microphone to obtain optimum flexibility between either VOX or push-to-talk operation.  
**LIST PRICE:** $3.25
**Model 544 “UNIDYNE III” MICROPHONE**

Ideal for high quality voice and music reproduction in circumstances where a uni-directional microphone with a flexible arm can best be utilized. Recommended for use as a master microphone for language laboratory applications.

Electrical specifications for the 544 are identical to those for the 545 “Unidyne III” microphone.

**LIST PRICE:** Model 544—$80.00

- Model 544-G6—$83.00. Includes 6” flexible gooseneck and mounting flange.
- Model 544-G12—$83.75. Includes 12” flexible gooseneck and mounting flange.
- Model 544-G18—$85.00. Includes 18” flexible gooseneck and mounting flange.

**CABLE:** 7 ft., 3 conductor, non-detachable, shielded.

**NET WEIGHT (Mic. and cable):** 3/4 lb., packaged weight 2 3/4 lbs.

**FURNISHED ACCESSORIES:** Gooseneck adapter.

**OPTIONAL ACCESSORIES:** A86A cable type transformer, S33B desk stand, A25B swivel adapter.

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**Model 425 “COMMANDO” MICROPHONE**

Designed for faithful voice and music reproduction. Ideal for recording on tape, wire or disc, fixed or mobile public address systems, language laboratory systems, intercommunication systems, amateur communications and similar uses where a flexible arm is required. The 425 is rugged, and recommended for use where high quality is desired at low cost.

Electrical specifications for the 425 are identical to those for the 420 “Commando” microphone.

**LIST PRICE:** Model 425—$30.00

- Model 425-G6—$33.00. Includes 6” flexible gooseneck and mounting flange.
- Model 425-G12—$33.75. Includes 12” flexible gooseneck and mounting flange.
- Model 425-G18—$35.00. Includes 18” flexible gooseneck and mounting flange.

**CASE:** Impact resistant polystyrene—brass.

**FINISH:** Bright Chrome and non-reflecting gray.

**CABLE:** 7 ft., 2-conductor, non-detachable, shielded.

**DIMENSIONS:** Length 3 3/4”, diameter 1 3/8”.

**NET WEIGHT (Mic. and cable):** 1 1/4 lb., packaged weight 1 3/4 lb.

**OPTIONAL ACCESSORIES:** Model A86A Cable Type Transformer. Model A25B Swivel Adapter. Model S38B desk stand.

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**410, 410S, 710G, 710GS MICROPHONES**

Good quality, low-cost, controlled magnetic and crystal microphones providing concealed-cable gooseneck mounting. Gray and chrome finish blends with any associated equipment.

Electrical specifications for the 410 and 410S are identical to those for the 510C and 510S microphones; 710G and 710GS have specifications identical to those for the 710 and 710S microphones.

**LIST PRICE:** Model 410—$19.00

- Model 410S (with switch)—$21.00
- Model 710G—$14.00
- Model 710GS (with switch)—$16.00

**CASE:** Die cast zinc.

**FINISH:** Gray and chrome.

**CABLE:** 7 ft., fabric-covered, single conductor shielded.

**DIMENSIONS:** 4 3/8” high, 2 3/4” wide, 1 3/4” deep.

**NET WEIGHT:** 410 and 410S—3/4 lb., packaged weight 1 1/4 lbs. 710G and 710GS—5/8 lb., packaged weight 1 1/2 lbs.
**SPECIAL PURPOSE MICROPHONES**

**MICROPHONE REPLACEMENT CARTRIDGES**

**SOUND LEVEL MICROPHONE MODEL 98B99**

Custom-made non-directional crystal microphone designed for scientific and industrial sound measurement work—and for those special applications that involve frequency response determinations, production testing, ambient noise levels, reverberation measurements, etc. Protected from humidity by “Humi-Seal” foil wrap. Features uniform frequency response; high sensitivity; high acoustical impedance; freedom from electrostatic and electromagnetic induction.

Model 98B99  
List Price $110.00

**SPECIFICATIONS FOR MODEL 98B99**

**TYPE:** Crystal  
**FREQUENCY RESPONSE:** 30-15,000 cps  
**OUTPUT LEVEL:** $-58$ db (0 db = 1 volt per microbar)  
**POLAR PATTERN:** Omni-directional  
**CASE:** Brass screw machine  
**FINISH:** Satin chrome  
**CABLE CONNECTOR:** Cannon XJL-3-1/16"  
**DIMENSIONS:** 3/4" diameter, 2.44/64" long. NET WEIGHT: 3.8 oz.

**VIBRATION PICKUPS MODEL 61B, MODEL 61C**

Used for locating and measuring vibration; checking surface smoothness and for the solution of a wide variety of scientific and industrial problems. No external moving parts. The 61B has a triple moisture-sealed Grafoil Bimorph Crystal element. The 61C has a Barium Titanate Ceramic element. The units may be fastened to an object or used with the furnished extension rod for point-to-point tests.

Model 61B  
List Price $97.50  
Model 61C  
List Price $125.00

**SPECIFICATIONS:**  
**TYPE:** 61B—Crystal  
61C—Ceramic  
**FREQUENCY RESPONSE:** Low frequency response dependent on the terminal resistance employed.  
**INTERNAL IMPEDANCE:** 61B—Equivalent to .005 microfarad capacitor. Recommended Load: 1/2 to 5 megohms. 61C—Equivalent to .010 microfarad capacitor. Recommended Load: 1/2 to 5 megohms.  
**CASE:** Die-cast aluminum.

**FINISH:** 61B—Baked black enamel.  
61C—Aluminum and black wrinkle.

**CABLE:** 61B—Equipped with 7 ft. single conductor rubber-jacketed shielded cable.  
61C—Equipped with 7 ft. detachable single conductor plastic-jacketed shielded cable.

**ACCESSORIES FURNISHED:** Complete set of adapters including 8" extension rod, ball-tip, point-tip and mounting bracket.

**SMALL CONTROLLED MAGNETIC MICROPHONES**

The MC Series of small microphones are specially designed for use in vacuum-tube devices, such as small, compact hearing-aid amplifiers, transmitters, dictating equipment—wherever size and weight are important factors. They are also highly recommended for use in small transistor-type devices. The MC series are metal cased for hum protection. They are rugged units, immune to mechanical shock, and to varying conditions of heat and humidity. The MC Series of microphones have also proven to be extremely useful in concealed microphone applications.

**MODEL MC11-J (Circular)**  
List Price: $12.50  
**MC20A-J (Rectangular)**  
List Price: $14.00  
**MC30-J (Rectangular)**  
List Price: $20.00

**SPECIFICATIONS FOR MODELS MC11, MC20A and MC30**

**TYPE:** Controlled Magnetic  
**FREQUENCY RESPONSE:** MC11—400 to 3,000 cps, MC20A—400 to 4,500 cps, MC30—400 to 3,500 cps  
**OUTPUT LEVEL:** MC11—71 db (0 db = 1 volt per microbar), MC20A—73 db (0 db = 1 volt per microbar), MC30—76 db (0 db = 1 volt per microbar)  
**IMPEDANCE:** MC11—1,000 ohms, MC20A—2,000 ohms, MC30—1,850 ohms  
**CASE:** Brass  
**FINISH:** Cadmium plated  
**TERMINALS:** MC11—Eyelet solder type, MC20A—1/2" flexible lead type, MC30—Eyelet solder terminals  
**DIMENSIONS:** MC11 (circular) 1/4" diameter, 3/4"/64" thick, MC20A (rectangular) 1/8" wide, 3/8"/64" long, 1/2"/64" thick, MC30 (rectangular) 5/8" wide, 5/8" long, 265/64" thick.  
**NET WEIGHT:** MC11—12½ grams, MC20A—9.6 grams, MC30—3.7 grams

**MICROPHONE REPLACEMENT CARTRIDGES**

**CARBON**

**MODEL R10**

Rugged microphone cartridge replacement for "CB", "100", and "120" Series Carbon Microphones. Furnished with necessary mounting hardware and complete installation instructions.

Model R10  
List Price $8.50

**MODEL 99A149**

Model 99A149 is the replacement cartridge for microphones in models CB20, CB21, CB50 and 115.

Model 99A149  
List Price $8.50

**CRYSTAL**

**MODEL R7**

Model R7 Crystal Microphone. Available for service installation as a replacement for the cartridge in the Shure Crystal Microphones of the 707A and 708A Series, and other microphones of similar design. High output—45 db below 1 volt per microbar. Supplied with rubber mounting rings and installation instructions.

Model R7  
List Price $8.25

**MODEL 99A186**

The Model 99A186 replacement cartridge assembly for the 777 Series Slim-X Microphones. Crystal element metal-sealed for long life under adverse conditions of heat and humidity. Requires only one solder connection.

Model 99A186  
List Price $10.00

**CONTROLLED MAGNETIC**

**MODEL R5**

Direct replacement for cartridges used in the following Shure microphone models: 510C, 510MD, 510S, 520, 520SL, 505C, 505K, 505T, 405C and 405K. Also ideal for replacement of crystal cartridges in Shure cases of the Model 707A and 708A Series, where heat and humidity are a problem. Supplied with rubber mounting ring.

Model R5  
List Price $11.00

**MODEL R5B**

Model R5B is the replacement cartridge for microphones used in the following Shure models: 505B, 505T, 405B, 405T, 510SLB, 520SLB and 505. Model R5B is physically identical to Model R5 but has low impedance (150 to 250 ohms). Can be used in any R5 applications which require a low impedance cartridge.

Model R5B  
List Price $11.00

**MODEL R4M**

The Model R4M controlled magnetic cartridge assembly is the direct replacement cartridge for use in the models 430, 425, 420 and 415 Shure "Commando" microphones.

Model R4M  
List Price $15.00
CARBON COMMUNICATIONS MICROPHONES

The 104 features the high-impact "Armo-Dur" corrosion-proof case.

Model 100 SERIES

Used around the world for police, taxi, bus, truck and commercial applications—more than all other makes combined! Adopted as standard microphone for G.E., Motorola, R.C.A. and others for 2-way radio communications equipment. The "100 Series" Microphones are provided with a bracket for permanent placement in portable or mobile equipment. They fit naturally and comfortably in the palm of the hand. They are light, compact and rugged with a reputation for long-life performance under "rough and tumble" operating conditions.

<table>
<thead>
<tr>
<th>Model</th>
<th>List Price</th>
<th>Type</th>
<th>Conductors</th>
<th>Termination</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>100A</td>
<td>$30.00</td>
<td>Carbon</td>
<td>3 conductor, 1 conductor shielded</td>
<td>Trimmered and tinned leads and Amphenol MC4M plug</td>
<td>With General Electric EM10A and Share 505K Microphones (Die cast zinc case).</td>
</tr>
<tr>
<td>100B</td>
<td>$25.00</td>
<td>Die Cast Zinc</td>
<td>3 conductor, 1 conductor shielded</td>
<td>Trimmered and tinned leads and Amphenol MC4M plug</td>
<td>With General Electric EM10A-2 and Share 405K and 405B Microphones (&quot;Armo-Dur&quot; case).</td>
</tr>
<tr>
<td>100C</td>
<td>$20.00</td>
<td>Die Cast Zinc</td>
<td>3 conductor, 1 conductor shielded</td>
<td>Trimmered and tinned leads</td>
<td>With Share 404C</td>
</tr>
<tr>
<td>100D</td>
<td>$15.00</td>
<td>Die Cast Zinc</td>
<td>4 conductor, 2 conductor shielded</td>
<td>Trimmered and tinned leads</td>
<td>With Share 404B</td>
</tr>
<tr>
<td>100E</td>
<td>$10.00</td>
<td>Die Cast Zinc</td>
<td>4 conductor, unshielded</td>
<td>Trimmered and tinned leads</td>
<td>With 405T, 505T, &quot;CB&quot; and &quot;100&quot; Series Microphones.</td>
</tr>
<tr>
<td>100F</td>
<td>$5.00</td>
<td>Die Cast Zinc</td>
<td>4 conductor, unshielded</td>
<td>Trimmered and tinned leads</td>
<td>With General Electric equipment.</td>
</tr>
<tr>
<td>100G</td>
<td>$5.00</td>
<td>Die Cast Zinc</td>
<td>4 conductor, unshielded</td>
<td>Trimmered and tinned leads with space lugs</td>
<td>With Motorola equipment.</td>
</tr>
<tr>
<td>100H</td>
<td>$5.00</td>
<td>Die Cast Zinc</td>
<td>4 conductor, unshielded</td>
<td>Trimmered and tinned leads with space lugs</td>
<td>With Motorola equipment.</td>
</tr>
<tr>
<td>100I</td>
<td>$5.00</td>
<td>Die Cast Zinc</td>
<td>4 conductor, unshielded</td>
<td>Trimmered and tinned leads and Amphenol MC4M plug</td>
<td>With Motorola equipment.</td>
</tr>
</tbody>
</table>

Coiled Cord Sets

Coiled cord replacement for Shure "100" and "CB" Series Microphones.

Model 115 MICROPHONE

Designed for use with small portable and mobile transmitters. Only 2" in diameter and 1½" thick. Has same operating characteristics as "100 Series" Carbon Microphones. Replacement for Mfrs. Model Nos. CB20, CB21.

LIST PRICE: $31.00
CASE: Aluminum

FINISH: Blue Gray Wrinkle
CABLE: 3 conductor, standard coiled cord, 11" retracted, 5 ft. extended
SWITCH: Equipped with a heavy-duty, push-to-talk switch
DIMENSIONS: 2" in diameter, 1½" thick
NET WEIGHT: 12 oz., packaged weight 1 lb., 8 oz.
MICROPHONE ACCESSORIES

“GRIP-TO-TALK SLIDE-TO-LOCK” SWITCH
Heavy-Duty Switch withstands the most severe field requirements of paging and dispatching systems. Ideal for Police, Taxicab, Railroad, Airport, Bus Truck, and all emergency communications work. Can be used with Shure connector-type crystal, dynamic and carbon microphones of any impedance. Fits handily on Shure S36A Desk Stand. Rich satins chrome finish.
MODEL A88A
LIST PRICE $12.50

ON-OFF PRESS-TO-TALK SWITCHES
Quickly attached to any cable-connector type Shure microphone. These are plug-in units which require only a screwdriver to install. Suitable for use with the following Shure microphones: Models 55, 55A, 55B, 55C, 55S, 51, 315, 737A and 708A.
Model A83B. Rotary-type “On-Off” switch, microphone shorted in “off” position. When “turned on,” it stays on until turned off.
MODEL A83B
LIST PRICE $11.00
MODEL A84B
LIST PRICE $11.00
MODEL A85C
LIST PRICE $11.50

CABLE-TYPE TRANSFORMER
Model A86A is a high-quality, cable-type transformer which makes it convenient to run a long microphone line from a low impedance microphone to a high impedance amplifier. Connection terminals are easily accessible, and compression fittings crimp the microphone and amplifier inputs. The A86A matches 35-50 ohm and 150-250 ohm microphones to high impedance amplifier inputs. Solves the problem of excessive high frequency loss and objectionable hum pickup when long lengths of microphone cable are necessary.

SPECIFICATIONS FOR MODEL A86A
LIST PRICE: $17.50
FREQUENCY RESPONSE: 20 to 20,000 cps plus or minus 1 db
IMPEDANCE: Matches 35-50 ohm and 150-250 ohm microphones to high impedance amplifier input
CASE: Compact, sturdy and magnetically shielded steel
FINISH: Two-tone gray
CABLE: 2 ft.
DIMENSIONS: 2½” long, 1⅛” diameter
NET WEIGHT: ¾ lb., packaged weight 1 lb.

DESKTOP STANDS

TAKE-APART STAND
Model S34B. Handy low-cost gray stand for desk or hand use. One twist of wood handle locks it securely in base for use as a table stand, or releases handle for use in hand. Metal base. Suitable for use with models 310, 510, 707A and 710.
MODEL S34B
LIST PRICE $4.50

BROADCAST DESK STAND
Model S33. Baked Bronze Finish. For use with Models 300, 333, 525 and 535.
MODEL S33B—Same as S33—in black finish. For use with Model 330, 530, 544, 545, 546, 556S, 415, 425 and 430.
LIST PRICE $15.00

MODERN DESK STAND
Model S36A. Streamlined gray Desk Mount fits all Shure connector-type microphones including 51, 51S, 55S, 315, 315S, 540S and 737A. Accommodates A25-type swivel adapter. Metal handle adapter provided for mounting models 440, 510, 520, 710 and 707A. Ideal for use with the Shure switches listed on this page.
MODEL S36A
LIST PRICE $6.50

SPECIAL STAND
This stand is a heavy die-cast base. Metal screw machine stud connects microphone adapter to stand base.
Model S38 (Bronze) for use with 777 Series microphones.
Model S38B (Black) for use with "Commando" microphones Models 415 and 430.
MODELS S38 AND S38B
LIST PRICE $4.50

SWIVEL ADAPTER
Model A25 (Bronze). To be used with model 525, 535 and 777 series microphones—For use with standard desk or floor stand.
Model A25B (Black). To be used with Models 530, 415, 425, 430 and 345 microphones—For use with standard desk or floor stand.
MODELS A25 AND A25B
LIST PRICE $5.50

LAVALIER ASSEMBLY
Model A28L. For use with Slendyne Model 525, 530 and 535.
MODEL A28L
LIST PRICE $4.50
Model A34L. For use with Commando Models 415, 420 and 430.
MODEL A34L
LIST PRICE $3.50
Model A37L. For use with Slim-x 777 series.
MODEL A37L
LIST PRICE $1.00
MAGNETIC RECORDING HEADS

TECHNICAL DATA—MAGNETIC TAPE AND WIRE RECORDING HEADS

<table>
<thead>
<tr>
<th>Model</th>
<th>Recording Speed</th>
<th>Bias &amp; Erase Frequency</th>
<th>Std. Recording Level</th>
<th>Operating Bias, Current</th>
<th>Erase Current</th>
<th>Impedance</th>
<th>Impedance</th>
<th>Operating Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>815 (Fig. A)</td>
<td>3.75&quot; per sec</td>
<td>50KC</td>
<td>.05 ma</td>
<td>1.75 ma</td>
<td>27 ma</td>
<td>750 ohm at 25KC</td>
<td>1450 ohm at 1000 cps</td>
<td></td>
</tr>
<tr>
<td>815H (Fig. A)</td>
<td>3.75&quot; per sec</td>
<td>50KC</td>
<td>.05 ma</td>
<td>1.75 ma</td>
<td>27 ma</td>
<td>750 ohm at 25KC</td>
<td>1450 ohm at 1000 cps</td>
<td></td>
</tr>
<tr>
<td>816</td>
<td>3.75&quot; per sec</td>
<td>50KC</td>
<td>.05 ma</td>
<td>1.75 ma</td>
<td>27 ma</td>
<td>750 ohm at 25KC</td>
<td>1450 ohm at 1000 cps</td>
<td></td>
</tr>
<tr>
<td>817 (Fig. B)</td>
<td>3.75&quot; per sec</td>
<td>50KC</td>
<td>.05 ma</td>
<td>1.75 ma</td>
<td>27 ma</td>
<td>750 ohm at 25KC</td>
<td>1450 ohm at 1000 cps</td>
<td></td>
</tr>
<tr>
<td>TR10C-J</td>
<td>7.5 &quot; per sec</td>
<td>50KC</td>
<td>.05 ma</td>
<td>1.75 ma</td>
<td>27 ma</td>
<td>750 ohm at 25KC</td>
<td>1450 ohm at 1000 cps</td>
<td></td>
</tr>
<tr>
<td>TR20C-J</td>
<td>7.5 &quot; per sec</td>
<td>50KC</td>
<td>.05 ma</td>
<td>1.75 ma</td>
<td>27 ma</td>
<td>750 ohm at 25KC</td>
<td>1450 ohm at 1000 cps</td>
<td></td>
</tr>
</tbody>
</table>

*Erase current chosen for 50 db Erasure of Saturated 400 C.P.S. Recording.

RECORDING HEAD DIMENSIONS

<table>
<thead>
<tr>
<th>Models 815 &amp; 815H (Fig. A) &amp; 816 Width .120&quot; Depth .631&quot; Height .695&quot;</th>
<th>Model TR10C-J (Fig. C) Width .600&quot; Depth .821&quot; Height .725&quot;</th>
<th>Model TR20C-J (Fig. F) Width .570&quot; Depth .625&quot; Height .570&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR10C-J (Fig. E) Width .800&quot; Depth .380&quot; Height .560&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NUMERICAL LIST OF SHURE TAPE HEADS USED IN ORIGINAL EQUIPMENT

<table>
<thead>
<tr>
<th>Model</th>
<th>ILLUSTR.</th>
<th>LIST PR.</th>
<th>DESCRIPTION</th>
<th>OPERATING DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>812</td>
<td>Not Shown</td>
<td>$20.00</td>
<td>Wire Recording Head</td>
<td>Not Shown</td>
</tr>
<tr>
<td>815</td>
<td>Fig. A</td>
<td>15.00</td>
<td>Upper track recording. High impedance record-playback coil.</td>
<td>See 815</td>
</tr>
<tr>
<td>815H</td>
<td>Fig. A</td>
<td>15.00</td>
<td>Upper track recording. High impedance record-playback coil.</td>
<td>See 815H</td>
</tr>
<tr>
<td>816</td>
<td>Fig. B</td>
<td>12.00</td>
<td>Upper track recording. High impedanace record-playback coil.</td>
<td>See 816</td>
</tr>
<tr>
<td>TR10C-J</td>
<td>Fig. E</td>
<td>12.00</td>
<td>Erase head, .601&quot; erase track width.</td>
<td>See TR10C-J</td>
</tr>
<tr>
<td>TR25-J</td>
<td>Fig. A</td>
<td>17.00</td>
<td>Wire recording head, .64 in. fouc.</td>
<td>See TR25-J</td>
</tr>
<tr>
<td>TR30-J</td>
<td>Fig. A</td>
<td>18.50</td>
<td>Special Shield, Special Leads, Special Plug.</td>
<td>See 815D</td>
</tr>
<tr>
<td>TR30-J</td>
<td>Fig. A</td>
<td>18.50</td>
<td>Upper track recording. High impedance record-playback coil.</td>
<td>See 815D</td>
</tr>
<tr>
<td>TR40-J</td>
<td>Fig. A</td>
<td>12.00</td>
<td>Lower track recording. High impedance record-playback coil.</td>
<td>Not Shown</td>
</tr>
<tr>
<td>TR40-J</td>
<td>Fig. A</td>
<td>12.00</td>
<td>Lower track recording. High impedance record-playback coil.</td>
<td>Not Shown</td>
</tr>
<tr>
<td>TR50-J</td>
<td>Fig. A</td>
<td>12.00</td>
<td>.093&quot; record track width. Record-playback coil.</td>
<td>See TR50-J</td>
</tr>
<tr>
<td>TR50-J</td>
<td>Fig. A</td>
<td>12.00</td>
<td>.093&quot; record track width. Record-playback coil.</td>
<td>See TR50-J</td>
</tr>
<tr>
<td>TR54-J</td>
<td>Fig. A</td>
<td>12.00</td>
<td>.093&quot; record track width. Record-playback coil.</td>
<td>See TR54-J</td>
</tr>
</tbody>
</table>

*Operating data only. 815 does not replace...
Now! A true unidirectional microphone in modern, convenient probe design at a new low price that makes it practical for every sound system to enjoy freedom from feedback.

Shure Uniplex

Model 245

The lowest priced probe-type microphone with truly unidirectional characteristics... provides exceptional performance at moderate cost.

The Shure "Uniplex" employs the same "Uniphase" principle found in higher priced Shure unidirectional microphones. Its wide, useful pickup angle at the front and effective elimination of pickup at the rear provide the ideal solution to feedback problems in low-cost P.A. systems.

The 245 is a natural for home recording, particularly in stereo; excellent for base-station usage, paging, and language laboratories. The 245 is lightweight and versatile, comes complete with stand adapter to permit instant conversion from stand to hand-held use and back again. Reliable, rugged ceramic cartridge performs at temperatures from -40° to +170°F. Available in four models, all with metal, die-cast case.

Specifications for Model 245

List Price: Model 245—$35.00. Includes A25B Swivel-Stand adapter and removable cable.
Model 245S—$37.00. Includes "On-Off" switch, A25B Swivel-Stand adapter and removable cable.
Model 245G—$30.00. Gooseneck mounting version of 245 with fixed cable, no swivel-stand adapter.
Model 245GS—$32.00. Gooseneck mounting version of 245S with "On-Off" switch, fixed cable, no swivel-stand adapter.

Type: Ceramic
Frequency Response: 50 to 7,000 cps
Output Level: 1.10 mv per microbar at end of 7 ft. (2.1m) cable across 1 to 5 megohms. This is equivalent to 59 db below 1 volt per microbar.
Impedance: High—Recommended load impedance: 1 to 5 megohms
Polar Pattern: Cardioid (uni-directional) Response at rear down 15 db from front
Case: Die Cast Zinc
Cable and Connectors: Models 245 and 245S provided with 15 ft. (4.6m) single-conductor shielded cable with a plug (equivalent of Amphenol MCI F) for attaching cable to microphone.
Models 245G and 245GS—7 ft. (2.1m) single-conductor shielded cables attached to microphone.
Switches: Models 245S and 245GS have built-in "on-off" switch
Stand Thread: Models 245 and 245S provided with Model A25B swivel adapter with 5/16"-27 thread for use with S38B desk stand, or any convenient desk or floor stand.
Models 245G and 245GS are especially designed for use with flexible goosenecks having a 5/16"-27 thread or for customized installation where a concealed cable is desired.
Dimensions: (Microphone only) 4 1/2" high, 1 1/4" diam.
Net Weight: (Microphone only) 3/4 lb., packaged weight 3/4 lb.
Optional Accessories: Model S38B microphone stand

Figure A
The frequency response of the Model 245 series is from 50 to 7000 cycles per second. (See Figure A.) The microphone response is symmetrical about the axis with the response down 6 db at the sides, 15 db or more at the rear. (See Figure B.) This reduced rear response feature permits more volume without feedback which simplifies microphone and speaker placement and greatly improves systems using conventional microphones.

Figure B

Shure Brothers, Inc. • 222 Hartrey Avenue, Evanston, Illinois, U.S.A.
Phone Davis 8-9000 • Chicago Phone Sheldrake 3-1600 • Cable Address SHUREMICRO