



®

ELECTRONIC COMPONENTS

Shure-the Standard of Quality..."In Electronics Since 1925"

Shure Brothers, Inc. is providing for today's critical requirements and will meet the exacting demands of the future. The world of electronics is at the threshold of a new era, and Shure planning envisions dramatic new products and revolutionary applications which will meet the challenge and fulfill the promise of tomorrow.

Since 1925 Shure Brothers, Inc., has made numerous significant contributions to the development of original acoustical-electronic products. In the future, as in the past, you can look to Shure for continued leadership in:

Fine Studio and Public Address Microphones

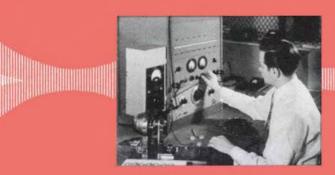
Precision Magnetic Recording Heads

High Fidelity Phonograph Cartridges and Arms

Original Equipment and Replacement Phonograph Cartridges

"Industry-Standard" Communications Microphones

Handsets and Special-Purpose Microphones





Shure Brothers, Inc., is able to give you quality products because we continually strive to raise already critical standards to precision levels previously considered unattainable.

Some of the more important factors governing Shure quality are:

- *RESEARCH AND DEVELOPMENT—A continuing research program is devoted to the objective of developing new products with performance and design standards of a high order.
- *ENGINEERING FACILITIES—The most modern anechoic chambers and laboratory equipment, much of it unavailable commercially, have been designed and built by our own engineering laboratory staff.
- *ADVANCED METHODS AND STANDARDS— Special control techniques and devices enable us to improve the precision quality of customized assembly-line production.
- *SCIENTIFIC PRODUCTION TECHNIQUES— Special production facilities guarantee desired delivery of mass-produced components for original equipment.
- *QUALITY CONTROL—The continuous use of daily quality control techniques for incoming materials and for all phases of production results in uniform, high quality products.

Add up all of these factors and you have a time-proved formula for the quality performance and long-life operation of Shure products.

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MAGNETIC

RECORDING HEADS

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 f.eld-proved standard of quality.

Model "525" STUDIO SLENDYNE OMNI-DIRECTIONAL DYNAMIC MICROPHONE *

The Studio "\$25" 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: (I) on a conventional floor or desk stand, (2) in the hand, and (3) with the lavalier 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 W_2 db in frequency response.)

"333" UNI-DIRECTIONAL RIBBON MICROPHONE

LIST PRICE: \$250.00 TYPE: Ribbon FREQUENCY RESPONSE: 30 to 15,000cps production uniformity guaranteed to plus or minus 21/2 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) IMPEDANCE: Equipped with a multi-impedance switch. furnishing a choice of 3 impedances—L-50 ohms, M-150 ohms, H-250 ohms. 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 12" high; 11/2" wide; 1 1/8" deep
- NET WEIGHT: (less cable): 11/2 lb.; packaged weight 41/4 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 21/2 db.
- IMPEDANCE: Equipped with a multi-impedance switch, furnishing a choice of three impedances—L-30-50 ohms, M-150 ohms, II-250 ohms.

OUTPUT LEVEL: At 50, 150, 250 ohms: -61 db (0 db = 1 milliwatt per 10 microbars)

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.

It is a self-adjusting "positive action" lifetime swivel which permits the microphone to be tilted 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., 2-conductor shielded broadcast type
- STAND THREAD: The Model A25 swivel adapter has a 5/8"-27 thread
- STAND COUPLERS: Adapter for 1/2" pipe thread or 3/8"-24 thread are available upon request at no extra charge.

DIMENSIONS: 81 32" high, I" diameter

- NET WEIGHT: (less cable): 1/2 lb.; packaged weight 31/2 lbs.
- FURNISHED ACCESSORIES: A28L Lavalier Assembly, OPTIONAL ACCESSORIES: Model S33 Desk Stand,
- Model A86A Cable-Type Transformer.

"300" BI-DIRECTIONAL GRADIENT' MICROPHONE

LIST PRICE: \$150.00

TYPE: Ribbon

FREQUENCY RESPONSE: 40 to 15,000cps production uniformity guaranteed to plus or minus 21/2 db.

OUTPUT LEVEL: 30-50 ohms -59 db*

* (0 db = I milliwatt per 10 microbars) **(0 db = I volt per microbar)

- IMPEDANCE: Equipped with a multi-impedance switch, furnishing a choice of three impedances-L-30-50 ohms, M-150-250 ohms, H-35,000 ohms.
- 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 5/8"-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; 1316" wide, 2116" deep
- NET WEIGHT: (less cable): 1 lb.; packaged weight 4 lbs.
- OPTIONAL ACCESSORIES: Model S33 Desk Stand, Model A86A Cable-Type Transformer.



Model "330" PROFESSIONAL UNI-RON*

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.



Models"315" AND 3155" GRADIENT *

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.

Deluxe Recording and Public-Address Microphones

SPECIFICATIONS FOR MODEL 330

LIST PRICE: \$120.00

TYPE: Ribbon

FREQUENCY RESPONSE: 30 to 15,000 cps.

- OUTPUT LEVEL: 50 ohm impedance - 59 db*
 - 150 ohm impedance -57 db*
 - 250 ohm impedance -58 db*
 - *(0 db=1 milliwatt per 10 microbars)
- IMPEDANCE: Equipped with a Multi-Impedance Switch, furnishing a choice of 3 impedances-50 ohms, 150 ohms, 250 ohms
- POLAR PATTERN: Super Cardioid (Uni-directional). Response at rear down 15 db from front.
- MAGNETIC CIRCUIT: Ribbon Element-Alnico V magnet CASE: Die cast zinc.
- FINISH: Satin chrome plate with natural anodized aluminum grille
- SWIVEL: 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.
- 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: Standard 5%"-27 thread DIMENSIONS: 311/16" high, 11/2" wide, 17%" deep
- NET WEIGHT: (less cable): 11/2 lb.; packaged weight 31/8 lbs.
- OPTIONAL ACCESSORIES: Model S33 Desk Stand, Model A86A Cable-Type Transformer.

SPECIFICATIONS FOR MODEL 315

LIST PRICES: Model 315 \$89.50, Model 315S (with switch) \$91.50

TYPE: Ribbon

- FREQUENCY RESPONSE: 50 to 12,000 cps
- OUTPUT LEVEL: L -30-50 ohm impedance -59.5 db*
 - M-150-250 ohm impedance -60 db* -57 db**
 - H-High
 - *(0 db= I milliwatt per 10 microbars)
 - **(0db=1 volt per microbar)
- IMPEDANCE: Equipped with a multi-impedance switch, furnishing a choice of 3 impedances: L-30-50 ohms, M-150-250 ohms, H-High.
- POLAR PATTERN: 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.
- MAGNETIC CIRCUIT: Uses Alnico V magnet
- CASE: Die cast zinc
- FINISH: Satin chrome
- SWIVEL: New self-adjusting swivel permits tilting the head through 90° so that the microphone can be aimed at the source of sound.
- CABLE CONNECTOR: Equivalent to the Amphenol MC3M plug
- CABLE: 18 ft., two conductor, shielded broadcast type
- STAND THREAD: Standard 3/8"-27 thread
- DIMENSIONS: 6" high, 11/6" wide, 13/2" deep
- NET WEIGHT: (less cable): 1 lb.; packaged weight 21/2 lbs.
- OPTIONAL ACCESSORIES: Model S36A Desk Stand, Model A86A Cable-Type Transformer.

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and $1\frac{1}{2}$ db in frequency response.)

OMNI-DIRECTIONAL DYNAMIC MICROPHONES

SPECIFICATIONS FOR MODEL 530

- LIST PRICE: \$110.00
- TYPE: Dynamic
- FREOUENCY RESPONSE: 50 to 15,000 cps
- OUTPUT LEVEL: L-50-250 ohm impedance -61 db (0 db = 1 milliwatt per 10 microbars)
- H-High impedance -61 db (0 db=1 volt per microbar) IMPEDANCE: 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%"-27 thread and may be mounted on any conventional desk, banquet or floor stand.
- SWITCH: On-Off (normally closed)
- DIMENSIONS: 711/2" high, 1" diameter
- NET WEIGHT: (less cable): 1/2 lb.; packaged weight 23/8 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
- FREOUENCY 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)
- IMPEDANCE: 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: 7³/₂" high. 1" diameter
- NET WEIGHT: (less cable): 3/4 lb.; packaged weight 25/8 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.

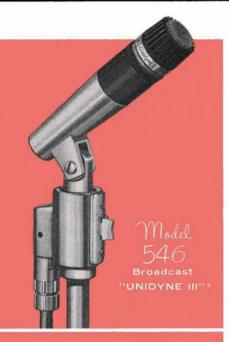


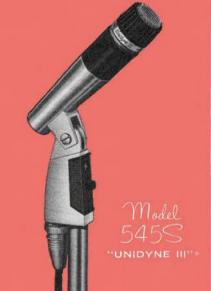
The Slendyncs are the most versatile fine quality probe microphones ever developed-actually five microphones in one because of their practical design and useful accessories. They can be used for indoor or outdoor applications in the following manner: (1) in the hand; (2) on a floor or desk stand; (3) hung around the neck on a lavalier cord and clip assembly; (4) "on-off" switch adapter; (5) "high and low" dualimpedance 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.



Model "535" SLENDYNE *

*Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and $1\frac{1}{2}$ db in frequency response.)







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.

- FREOUENCY RESPONSE : 50-15,000 cps. OUTPUT LEVEL:-55 db (0 db = 1 milli-
- watt per 10 microbars) IMPEDANCE: Dual. Choice of 30-1000hms
- or 100-250 ohms. POLAR PATTERN: Cardioid. (Uniform
- with frequency, symetrical about axis). MAGNETIC CIRCUIT: uses Alnico
- V magnet. CASE: Die cast zinc and "Armo-Dur".
- FINISH: Sat in chrome and black.

LIST PRICE: \$89.95

TYPE: Dynamic.

or high.

V magnet.

SWIV EL: New improved self-adjusting "posi-tive action" lifetime swivel permits tilt-ing of the head through 180° so that the

FREQUENCY RESPONSE: 50-15,000 cps.

OUTPUT LEVEL: Low:-57 db (0 db=1

POLAR PATTERN: Cardioid. (Un form with frequency, symetrical about axis).

MAGNETIC CIRCUIT: uses Alnico

CASE: Die cast zinc and "Armo-Dur".

FINISH: Satin chrome and black.

per microbar). IMPEDANCE: Dual. Choic e of 50-250 ohms

High: -55 db (0 db=1 volt

milliwatt per 10 microbars).

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.
- DIMENSIONS (not including swivel): 115/64" diameter, $5\frac{7}{16}$ " length
- NET WEIGHT (less cable): I 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 5455

- SWIVEL: New improved self-adjusting "positive action" lifetime swivel permits tilt ing of the head through 180° so that the microphone can be aimed at the source of sound.
- CABLE CONNEC TOR : Equivalent to Amphenol MC4M plug. CABLE: 18 ft., 3-conductor shielded.
- STAND THREAD: %"-27 thread.
- DIMENSIONS (not including swivel): 115/64" diameter, 5 16" length.
- NET WEIGHT (less cable) : 3/4 lb., packaged weight 23% lbs.
- TIONAL ACCESSORIES : Model A86A Cable Type Transformer. Model \$36A 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 cp s. OUTPUT LEVEL: LOW : - 57 db. (0 db= 1 milliwatt per 10 microbar s) HIGH: - 55 db.(0db= 1 volt per microbar) IMPEDANCE: Dual. Choice of 50-2 50 ohm s or high.

POLAR PATTERN : Cardioid (Un form with frequency, symmetrical about axis) MAGNETIC CIRCUIT: uses Alnico V magn et

- CASE: Die cast zinc and "Armo-Dur"
- FINISH: Sat in chrome and black
- CABLE CONNECTOR: Equivalent to Amphenol MC4 M plug.
- CABLE: 18 ft., 3 conductor shielded
- DIMENSIONS : Length 513"; Diameter 11/4"
- NET WEIGHT (less cable): 1/2 lb., packaged weight 21/8 lbs.
- FURNISHED ACCESSORIES: A25B swivel adapter.

OPTIONAL ACCESSOR IES: A86A Cable Type Transformer, S33B desk stands

* Available in matched sets for stereo recording at no additional cost. (Matched to plus or minus 1 db in level and $1\frac{1}{2}$ db in frequency response.)

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)

IMPEDANCE: Equipped with a Multi-Impedance switch, furnishing a choice of 3 impedances—L-35-50 ohms, M-150-250 ohms, H-35,000 ohms.

- 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 3/8"-27 thread

DIMENSIONS: 75/8" high, 23/16" wide, 31/16" deep

NET WEIGHT: (less cable): 15% lb; packaged weight 31% lbs.

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

SPECIFICATIONS FOR MODEL 556S

LIST PRICE: \$135.00

- TYPE: Dynamic
- FREQUENCY RESPONSE: 40 to 15,000 cps.
- OUTPUT LEVEL: L-30-50 ohm impedance -54 db
 - (0 db=1 milliwatt per 10 microbars)
 - M-150-250 ohm impedance -55 db
 - (0 db=1 milliwatt per 10 microbars)
- H—High 57 db (0 db = 1 volt per microbar)
- IMPEDANCE: Equipped with a Multi-Impedance switch, furnishing a choice of 3 impedances-L-30-50 ohms, M-150-250 ohms, H-High.
- 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 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: Standard ⁵/₈"-27 thread DIMENSIONS: 7³/₄" high, 2³/₆" wide, 3³/₁/₆" deep

- NET WEIGHT: (less cable): 2 lbs., packaged weight 31/2lbs.
- OPTIONAL ACCESSORIES: Model S33B Desk Stand, Model A86A Cable-Type Transformer.



Modela 555, 555W AND 5565

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. systemsin 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, publicaddress, theater-stage sound systems and recording applications. The 556S is provided with a vibrationisolation 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 $1\frac{1}{2}$ db in frequency response.)



Model 5405 "SONODYNE II"

A compact, modernistic micro thon e with high output dynamic element at moderate cost. The "Sonodyne 11" features variable frequency response which allows the user to tailor the microphone to the application—One of the most versaile microphones on the market !



Models 51 and 515 "SONODYNE"

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

THE SONODYNE'' FAMILY

SPECIFICATIONS FOR MODEL 540S

LIST PRICE: \$49.95

TYPE: Dynamic

- FR EQUENCY RESPONSE: 60 to 10,000 cps (Provisions for alternate response for voice int dlig bility in paging and communications systems).
- OUTPUT LEVEL: 50-250 ohm impedance: --57 db (0 db= I milliwatt per 10 micro bars)
 - High impedance: -52.5 db (0 db=1 volt pcr microbar)
- IMPEDANCE: Dual. Choice of 50-250 ohms or high.
- POLAR PATTERN: Omni-directional.
- CASE: Die cast zinc aud "Armo-Dur."
- FINISH : Satin chrome and black.
- SWIVEL: Ne wim proved 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.
- DIM ENSIONS (not including swivel): $1^{21/32''}$ diameter 35/8'' length.
- NET WEIGHT (less cable): 13/4 lbs., packaged weight 31/8 lbs.
- FURNISHED ACCESSORIES: Resonator plate and set-screw for changing response.
- OPTIONAL ACCESSOR I ES: Model S36 A 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
- FREQ UENCY RESPONSE: 60 to 10,000 cps
- - M—150-250 ohm impedance—52.5 db* H—High —52 db**
 - *0 db=1 milliwatt per 10 microbars
 - **0 db=1 volt per micro bar
- I MPED ANCE: Equipped with a multi-im pedance switch, furnishing a choice of 3 impedances—L-35-50 ohms, M-150-250 ohms, H-High
- POLAR PATTERN: Omni-directional
- MAGNETIC CIRCUIT: Uses Alnico V magnet

CASE: Diecast zinc

FINISH: Satin chrome

SWIVEL: Lifetime swivel permits til in g 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 3/8"-27 thread
- DIMENSIONS: 53/6" high 31/8" wide 21/8" deep

NET WEIGHT (less calle): 13/4 lbs., packaged weight 3 1/8 lbs.

OPTIO NAL EQUIPMENT: Model S36 A Desk Stand, Model A86A Cable Type Transformer.

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 CABLE: 15 ft., single conductor, shielded
- STAND THREAD: Standard 5/8"-27 thread
- DIMENSIONS: 4" high, 63/32" high with connector, 33/32" wide, 15/8" deep.

NET WEIGHT: (less cable): 1½ lb.; packaged weight 2½ lbs. OPTIONAL ACCESSORIES: Model S36A Desk Stands, Models A\$3B, A84B, A85C, A88A On-Off Switches

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 777A 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 MCIF plug for attaching cable to microphone.
- CABLE: Detachable 7 ft., rubber-covered, single conductor shielded.
- STAND THREAD: Standard 3/8"----27 thread
- 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) 41/2" high, I" diameter.
- NET WEIGHT: (Microphone only) 3/8 lb,; packaged weight 3/4 lb.
- OPTIONAL ACCESSORIES: Model S38 Desk Stand, A25 type swivel Adapter.



STARLITE MICROPHONES MODELS 215 AND 715



MODEL 710 "REX" MICROPHONE



Models 215-715

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 "builtin", 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: I to 5 megohms

POLAR PATTERN: Semi-Directional

CASE: Impact Resistant Polystyrene

FINISH: Model 215—Black Front, gray back with light gray grille, Model 715— Gray front, black back with black grille

CABLE: Equipped with 5 ft., fabric-covered, single conductor shielded cable STAND: Permanently connected retractable stand

DIMENSIONS: 31/2" high, 23/16" wide, 1%2" deep

NET WEIGHT: 31/2 oz.; packaged weight 1/2 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: 31/12" high, 211/16" wide, 11/18" deep OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stands

NET WEIGHT: % lb.; packaged weight 11/8 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 3/8"-27 thread DIMENSIONS: 31/4" high, 215/2" diameter OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stands. NET WEIGHT: 3/4 lb.; packaged weight 11/4 lbs.

CONTROLLED MAGNETIC MICROPHONES



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 Announcing; Mobile Public Address Systems; Communications; Home Recording; and Intercom Systems. Fits snugly in the hand, or sits firmly on a desk.

SPECIFICATIONS: Model 510

- 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. single conductor, shielded
- STAND THREAD: Microphone provided with a stand adapter having a %"-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-totalk locking or non-locking type
- DIMENSIONS: $3\frac{7}{16}$ " high, $2\frac{11}{16}$ " wide, $1\frac{7}{16}$ " deep
- NET WEIGHT: % lb.; packaged weight 1 ¼ lbs.
- OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stand

Model 510 SLB

Model 510 SLB 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: Model 510SLB LIST PRICE: \$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

POLAR PATTERN: Semi-directional CASE: Die cast zinc

FINISH : Metallic green

- CABLE: 7 ft., 2-conductor, shielded
- SWITCH: Built in, normally open, switch to control the microphone circuit. The switch is of the press-totalk locking or non-locking type
- DIMENSIONS: With stand 8⁷/₈" high, 5" wide, 7" deep.
- NET WEIGHT: 2 lbs.; packaged weight 2⁵/₈ lbs.
- OPTIONAL ACCESSORIES: Model A86A cable type transformer

Model 520SL

and 52OSLB "DISPATCHER" The Model 520SL is especially recommended for mobile and fixed station use, and is also very suitable for public address, recording, call systems, radio telephone and amateur use, and similar applications. The Model 520SLB is especially recommended for those applications where low impedance microphones are to be used in parallel, balanced-line operation and where long cable lengths are required, or under conditions of severe hum disturbances.

- SPECIFICATIONS:
- LIST PRICE: Model 520SL: \$45.00 Model 520SLB: \$49.25
- TYPE: Controlled Magnetic
- FREQUENCY RESPONSE: 100 to \$,000 cps
- **OUTPUT LEVEL:**
 - Model 520SL: --52.5 db (0 db=1 volt per microbar) Model 520SLB: --51.0 db (0 db=

1 milliwatt with 10 microbars) IMPEDANCE:

Model 520SL: High. Recommended load 100,000 ohms or more Model 520SLB: 150-250 ohms

POLAR PATTERN: Semi-directional

- CASE: Die cast zinc
- FINISH: Metallic green with satin chrome handle and grille
- CABLE CONNECTOR: Model 520SL: Equivalent to Amphenol MC3M plug Model 520SLB: Equivalent to
- Amphenol MC4M plug CABLE:

Model 520SL: 7 ft. high-quality 2 conductor shielded Model 520SLB: 7 ft. high-quality 4 conductor (2 conductors shielded)

- SWITCH: Equipped with grip-to-talk switch, similar to Shure A88A. Model 520SL: DPST-normally closed-normally open Model 520SLB: DPST-nor
 - mally open—normally open
- DIMENSIONS: With stand 9%" high, 5" wide, 7" deep
- NET WEIGHT: (less cable): 2¹/₄ lbs.; packaged weight 3³/₈ lbs.
- OPTIONAL ACCESSORIES: Model A86A cable type transformer (for use only with Model 520SLB)



and 52OB "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 nocessity.

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 %"-27
- thread
- DIMENSIONS: Diameter 2¹³/₃₂", overall length 3¹/₄"
- NET WEIGHT: 1 lb.packaged weight; 13/4 lbs.
- OPTIONAL ACCESSORIES: Models S34B or S36A Desk Stands, Model A86A cable type transformer (for use only with Model 520B)

THE "Commando" SERIES



"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

	415	420	430							
List Price:	\$27.50	\$30.00	\$38.50							
Туре:		CONTROLLED MAGNETIC								
Frequency Response:		60 to 10,000 c.p.s.								
Impedance:	High	High Equipped with readily changeable pin jacks (no soldering required) furnishing a choice two impedances: H High and L 150 to 250								
Oulput Level:		High -52 db (0 d b = 1 volt per microbar) Low -52 db (0 d b = 1 milliwall per L0 microbar	5)							
Polar Pattern:		OMNI-DIRECTIONAL								
Case:	Impact_resistant polystyrene and die cast zinc.	Impact-resistant polystyrene.	Impactresistant polystyrene and die cast zinc.							
Finish:	Non-reflecting gray and satin chrome.	Non-reflecting gray	Non-reflecting gray and salin chrome.							
Cable:	7' лоп-detachable single conductor shielded	20' non-detachable, 2 conductor, shielded	IS' 2 conductor shielded with Amphenol MC connector for attaching to microphone.							
Switch:	None	None	Press-to-talk switch—normally closed							
Dimensions:	Length 61%" Diameter of head 1%" Diameter of handle 3%"	Length 3½*" Diameter 1¾″	Length 637%4" Diameter of head 134" Diameter of handle tš"							
Net Weight:	1/3 lb.	¼ lb.	₩ lb. (less cable)							
Pachaged Weight:	1% lbs.	₩tb.	21/8 lb.							
Furnished Accessories:	Model A256 Self-adjusting Swivel Adapter with standard 4/7°-27 stand thread permits microphone to be titled throug h90° arcfrom vertical to horizontal. making it simple to aim the microphone at the source of sound.		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 A86A Cable Type Transformer Model S38B or S A34L Laval										

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

CONTROLLED MAGNETIC "TEN-FOUR" 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.



	404B	405B	405KB	404C	405C	405K						
List Price	\$33.00	\$32.00	\$37.50	\$33.00	\$32.00	\$37.50						
Туре			CONTROLLED	EDMAGNETIC								
Frequency Response			200 to 8,	000 cps								
Oulpul Le el	(m)	50 db (0 db=1 milli per 10 microbars)	watt									
Impedan e		150 to 250 ohm	S	High Recommended load 100,000 ohms or more.								
Polar Pattern			0 M N I - D	IRECTIONAL								
Case			High impac	I gray "Armo-Dur"								
Cable Lengin			5½ ft. Extended	51/2 ft. 5 ft. Extended		5½ ft. Extended						
Туре	Copper	Copper	Tinsel	Copper	Copper	Tinsel						
Description	4 Conductor (2 cond. shielded) Coiled Cord 4 Conductor (2 cond. shielded) Straight Cord		3 Conductor (1 cond. shielded) Coiled Cord (Amphenol MC4M plug attached)	3 Conductor (I cond. shielded) Coiled Cord	3 Conductor (1 cond, shielded) Straight Cord	3 Conductor (1 cond. shielded) Coiled Cord (Amphenol MC4M plu attached)						
Switch Mic. Circuit	Normally closed*	Nermally closed	Normally open	Normally closed*	Normaily closed	Nermally open						
Relay Circuit	Normally open	Normally open	Normally open	Normally open	Normally open	Normally open						
		Leaf-type switches to control the mic. circuit and to control an external relay or switching circuit										
Dimensions			31 1/16" high, 2%" wie	de, 14%d''deep								
Nel Weight			5/6 1	b.								
Packaged Weighl			7/8 1	b.								
Furnished Accessories		Mount	ting bracket for permane	nt placement with the	associated equipment	t						
Optional Accessories	Mode	A86A cable type trai	nsformer									

SPECIFICATIONS

*PROVISIONS FOR SIMPLE CHANGE TO NORMALLY OPEN.

The perfect improvement-replacement

for carbon microphones now used in mo-

bile communications equipment. An out-

standing feature incorporated in this unit

is a TRANSISTOR AMPLIFIER, housed

within the case. It is powered by the

current available from the carbon micro-

phone circuit. Does not require batteries

or extra power-supplies. Provides re-

markable speech clarity and is free from

theaging common to carbon microphones

used under conditions of vibration. Re-

commended for mobile communications

where carbon microphones have been

in use: police, bus, trucking, taxicab,

etc., where high speech in telligibility and

long operating life are essential.

Model 405T

"TEN-FOUR" SPECIFICATIONS

FOR MODEL 405T

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 milliwatt 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: 3¹¹/₁₆" high, 2⁵/₈" wide, 1⁴%⁴" deep.
- NET WEIGHT: %1b., packaged weight % lb.

Model R5T

Model R5T 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.

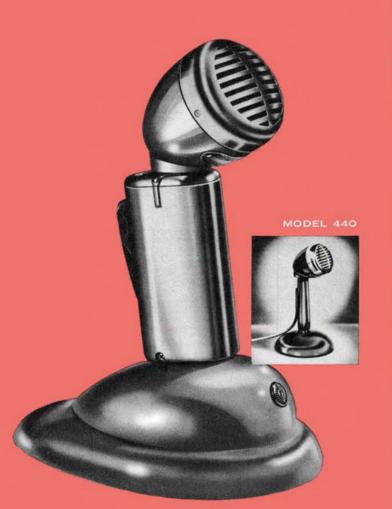
SPECIFICATIONS

FOR MODEL R5T

- LIST PRICE: \$25.00
- TYPE: Controlled magnetic with transistor amplifier
- OUTPUT LEVEL :-- 1 db loaded with 500 ohms (0 db=1 milliwatt per 100 microbars)
- POLAR PATTERN: Omni-directional

SPECIAL PURPOSE MICROPHONES

... FOR AMATEUR RADIO COMMUNICATION



MODEL 440SL

SPECIAL NOTE:

For a mobile communications microphone embodying many of the outstanding features listed above, refer to the "Ten-Four", Model 404C microphone on page 15.

Model 440-440 SL MICROPHONES

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 (or 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 piug. 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 %"-27 Ihread. DIMENSIONS: 440-2¹³/₃₂" diameter, 3¹/₄" overall length. 440SL-9³/₈" high, 5" wide, 7" deep (with stand). NET WEIGHT: 440-1 lb., Packaged weight 13/4 lbs. 440SL-21/4 lbs., Packaged weight 3 1/8 lbs. OPTIONAL ACCESSORIES: 440-Models \$34B 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

SPECIAL PURPOSE MICROPHONES

... FOR LANGUAGE LABORATORIES

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): 5/8 lb. packaged weight 21/8 lbs.

FURNISHED ACCESSORIES: Gooseneck adapter.

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

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, intercommunications 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" (lexible 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 311/16", diameter 13/4".

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

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

410, 4105, 710G, 710GS MICROPHONES

Good quality, low-cost, controlled magnetic and crystal microphones providing concealed-cable gooseneck mounting. Gray and chrome tinish 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

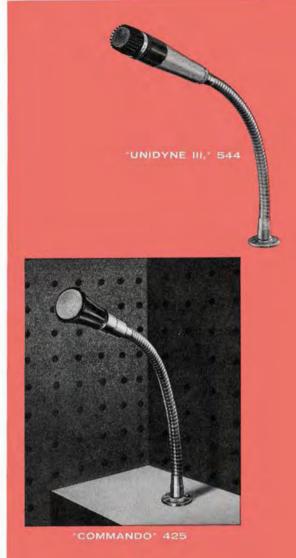
CASE: Die cast zinc.

FINISH: Gray and chrome.

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

DIMENSIONS: 43/32" high, 211/16" wide, 11/16" deep.

NET WEIGHT: 410 and 410S—1/2 lb., packaged weight 1 1/2 lbs. 710G and 710GS—1/2 lb., packaged weight 1 1/2 lbs.





SPECIAL PURPOSE MICROPHONES

MICROPHONE REPLACEMENT CARTRIDGES



SPECIAL PURPOSE MICROPHONES

SOUND LEVEL MICROPHONE MODEL 98899

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 98 B99 LIST PRICE: \$110.00

TYPE: Crystal

- FREQUENCY RESPONSE: 30-15,000 CDS
- OUTPUT LEVEL: -58 db (0 db = 1 voit per microbar)
- POLAR PATTERN: Omni-directional

CASE: Brass screw machine,

FINISH: Satin chrome

CABLE CONNECTOR: Cannon XL-3-11

DIMENSIONS: 11/1" diameter, 243/64" 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 moisturescaled Grafoil Bimorph Crystal element. The 61C has a Barium Titanate Ceramic clement. 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: 618-Equivalent to .005 microfarad capacitor. Recommended Load: 3/2 to 5 megohms. 61C-Equivalent to .010 microfarad capacitor. Recommended Load: 1/2 to 5 mcgohms.

CASE: Dic-cast aluminum.

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

CABLE: 61B-Equipped with 7 ft. single conductor rubber-jacketed shielded cable.

6IC-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 hearingaids, amplifiers, transmitters, dictating equipment-wherever size and weight are important factors. They also are highly recommended for use in small transistortype 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.

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: MCI1-400 to 3,000 cps, MC20A-400 to 4,500 cps, MC30-400 to 3,500 cps
- OUTPUT LEVEL: MC11-71 db (0 db =I 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-Eyclet Solder Type, MC20A-11/2" flexible lead type, MC30-Eyclet solder terminals
- DIMENSIONS: MCII (circular) 11/64" diameter, 25/64" thick, MC20A (rectanular) ¹%₆" wide, ¹%₆" long, ⁵%₆" thick, MC30 (rectangular) .5" wide, .5" long, .265" thick
- NET WEIGHT: MC11-1232 grams, MC20A-9.6 grams, MC30-3.7 grams



MICROPHONE REPLACEMENT CARTRIDGES

CARBON

MODEL R10

Rugged microphone cartridge replace-ment for "CB", "100", and "120" Series Carbon Microphones. Furnished with necessary mounting hardware and com-plete installation instructions. Model P10 Model R10 List Price \$8.50

MODEL 994149

Model 99A149 is the replacement cartridge for cartridges used in microphone 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 cartridges in the Shure Crystal Microphones of the 707A and 708A Series, and other microphones of similar design. High output—48 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 clement 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, 50SC, 50SK, 40SC and 40SK. Also ideal for re-placement 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 cartridges used in microphone midels 505B, 505T, 405B, 405T, 510SLB, 520SLB and 520B. Model R5B is physically iden-tical to Model R5; but low impedance (150 to 250 ohms). Can be used in any R5 applications which require a low im-nedance cartridge pedance 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. List Price \$15.00 Model R4M

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CARBON COMMUNICATIONS MICROPHONES

The "Ten-Four" 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 unitswith a reputation for long-life performance under "rough and tumble" operating conditions.

	Armo-I	Dur		Die-Cast .							
	IOIA Suggested rept 102C. 102E	1049 acement for: 101C, 101E, 103	1010	101E	102C	102E	103				
List Price:	\$30.00	\$30.00	\$30.00	\$33.00	\$30.00	\$33.00	\$31.00				
Type:	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon				
Frequency Response:				300 to 4.000 c.p.s							
Output Level:			5 db below	1 volt for LOO microbar	speech signal						
Impedance:		Recommended load : 50 to 100 ohms									
Polar Pattern:		Omni-directional									
Case:	High-Impact "	'Armo-Dur''	1		Die Cast Zinc						
Finish:	Gray	у	Blue Gray—Wrinkle Finish								
Cable:		opper coiled cord with mmed and tinned leads	11"	retracted and 5' extends Tinsel coil cord with Amphenol MC4M Plug	ed cable Copper coil cord with trimmed and tinned leads	Tinsel coil cord with spade lugs	Copper Coil cord with Amphenol MC4M Plug				
Switch:	CPST normally open swith to control micsophone & relay			Heavy duty push-to-talk switch SPST normally ally open relay switch DPST normally open switch to control microphone and relay. SPST normally relay switch microphone switch to control microphone switch							
Dimensions:	334" high, 236" wi	ide, 14 14 14 deep	333" high, 234" wide, 21/52" deep								
Net Weight:	5% Ib).			1 lb.						
Packaged Weight:	1 11	b.			13% Ib.						

Coiled Cord Seta Coiled Cord replacement for Shure "100" and "CB" Series Microphones.

Model	List Price	Туре	Conductors	Termination	Utage
C10C	\$12 00	Tinsel	3 conductor, 1 conductor shielded	Trimmed and tinned leads and Amphenol MC4M plug	With General Electric EM10A and Shure 505K Micro- phones (Die cast zinc case).
CIIC	\$12.00	Tinsel	3 conductor, L conductor shielded	Trimmed and tinned leads and Amphenol MC4M plug	With General Electric EM10A-2 and Shure 405K and 405KB Microphones ("Armo-Dur" case).
C12C	\$9.75	Copper	3 conductor. 1 conductor shielded	Trimmed and tinned leads	With Shure 404C
C14C	\$10.00	Copper	4 conductor, 2 conductor shielded	Trimmed and tinned leads	With Shure 404B
CISC	\$6.25	Copper	4 conductor, unshielded	Trimmed and tinned leads	With 405T. SOST. "CB" and "200" Series Micro- phones.
C16C	\$9.50	Tinsel	4 conductor, unshielded	Trimmed and tinned leads and Amphenol MC4M plug	With General Electric equipment.
C17C	\$7.75	Tinsel	4 conductor, unshielded	Trimmed and tinned leads with spade lugs	With Motorola equipment.
C18C	\$9.50	Copper	4 conductor, unshielded	Trimmed and tinned leads and Amphenol MC4M plug	With Motorola equipment.
C19C	\$9.50	Tinsel	4 conductor, unshielded	Trimmed and tinned leads and Amphenol MC4M plug	With Motorola equipment.

Model 15 MICROPHONE

FINISH: Blue Gray Wrinkle

Designed for use with small portable and mobile transmitters. Only 2" in diameter and $1\frac{1}{2}$ " thick. Has same operating char-acteristics as "100 Series" Carbon Microphones. Replacement for Mfgrs. Model Nos. CB20, CB21. LIST PRICE: \$31.00

CABLE: 3 conductor, standard coiled cord, [1" retracted, 5 ft. extended

SWITCH: Equipped with a heavy-duty, push-to-talk switch

DIMENSIONS: 2" in diameter, 11/2" thick

NET WEIGHT: 12 oz., packaged weight 1 lb., 8 oz.

CASE: Aluminum

MICROPHONE ACCESSORIES



MICROPHONE SWITCHES

"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 connectortype crystal, dynamic and carbon microphones of any impedance. Fits handily on Shure S36A Desk Stand. Rich satin chrome finish.

LIST PRICE \$12.50 MODEL ASSA

ON-OFF PRESS-TO-TALK SWITCHES

Quickly attached to any cable-connector type Shure microphone. These are plug-in units which require only a screw-driver 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.

LIST PRICE \$11.00 MODEL A83B

Model A84B. Momentary Press-to-Talk "On-Off" switch, microphone shorted in "off" position. Press-it's on, releaseit's off.

MODEL A84B LIST PRICE \$11.00

Model A85C. Momentary Press-to-Talk Relay control switch, normally open. Microphone circuit not switched. 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: 27%" long, 1 5%" diameter

NET WEIGHT: 3/4 lb., packaged weight I lb.

DESK 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 510, 520, 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. LIST PRICE \$15.00

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. LIST PRICE \$6.50

MODEL \$36A

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" microphone 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 545 microphones—For use with standard desk or floor stand.

LIST PRICE \$5.50 MODELS A25 AND A25B

LAVALIER ASSEMBLY

Model A28L. For use with Slendyne Model 525, 530 and 535. LIST PRICE \$4.50 MODEL A28L 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

CRYSTAL and CERAMIC PICKUP CARTRIDGES

MODEL NO.	ILLUS- TRATION	TYPE	LIST PRICE	OUTPUT LEVEL	MIN. NEEOLE FORCE	RESPONSE	NET WEIGHT	SHURE NEEDLE NO.	NEEDLE LIST PRICE
WC20 #	Fig. C	Ceramic	\$ 9.50	.58V	21/2-3 grams	12,000 cps	234 grams	A20S	\$ 3.50
W21F*	Fig. B	Crystal	8.90	1.5 V	6 grams	10,000 cps	41/2 grams	A63MG	1.50
W31AR	Fig. A	Crystal	7.50	2.1V	7 grams	7,500 cps	534 grams	A53MG	1.50

"Twin-Lever" Cartridges For 331/2, 45 And 78 RPM Records

Fine Groove Cartridges For 33¹/₃, 45 RPM Records

MODEL NO.	ILLUS. TRATION	TYPE	LIST PRICE		rคยา VEL	MIN. NEEDLE FORCE	RESPONSE	NET WEIGHT	SHURE NEEDLE NO.	NEEDLE LIST PRICE
-	-			MG.	STD,					
WC6§	Fig. H	Ceramic	\$14.50	.5V	.7۷	4-6 grams	15,000 cps	7 grams	A6S	\$ 5.95
WC6TM+ Top Mount.	Fig. R	Ceramic	14.50	.5∨	.7V	4-6 grams	15.000 cps	7 grams	A6S	5.95
W9 6	Fig. J	Crystal	9.50	3.5V	5.0V	11 grams	10,000 cps	7 grams	A9	3.50
WCLOS	Fig. H	Ceramic	9.50	.78V	1.0V	7 grams	12,000 cps	7 grams	A10S	3.50
WCLODS	Fig. H	Ceramic	34.00	.78V	1.0V	7 grams	12,000 cps	7 grams	A10DS	28.00

Turnover Cartridges For 331/3, 45, And 78 RPM Records

MODEL NO.	ILLUS- TRATION	ТУРЕ			TPUT VEL	MIN. NEEDLE FORCE	RESPONSE	NET SHU WEIGHT NEED		DLE	NEEDLE LIST PRICE
				MG.	STD.				MG.	STD.	
W22	Fig. D	Crystal	\$ 9.50	1.2V	1.4V	8 grams	10,000 cps_	4 1/2 grams	A65MG	A61A	\$ 2.50
W22-T	Fig. E	Crystal	10.00	1.2V	1.4V	8 grams	10,000 cps	12½ grams	A65MG	A61A	2.50
WC24	Fig F	Ceramic	8.75	0.6V	0.6V	8 grams	7,000 cps	4,5 grams	A53MG	A52A	1.50
WC24-T	Fig. G	Ceramic	9.25	0.6V	0.6V	8 grams	7.000 cps	12½ grams	A53MG	A52A	1.50
WC25	Fig. K	Ceramic	9.50	.65V	.7v	8 grams	7,000 cps	6 grams	A65MG	A61A	2.50
W72†§	Fig. L	Crystal	8.50	3V	4V	10-15 grams	5,000 cps	7 grams	A69A	A70A	2.50

All Purpose Single Needle Cartridges For 331/3, 45, 78 RPM Records

MOOEL NO.	ILLUS. TRATION			MIN. NEEDLE FORCE	RESPONSE	NET WEIGHT	SHURE NEEDLE NO.	NEEDLE LIST PRICE		
				MG.	STD.					
W26	Fig. B	Crystal	\$ 6.50	.87V	1.0V	8 grams	8,000 cps	412 giams	A67U	\$ 2.50
WC38	Fig. A	Ceramic	7.50	.9V	.92V	9 grams	10,000 cps	51% grams	A58U	1.50
W66B	Fig. 0	Crystal	7.00	2.0V	2.3V	8 grams	4,500 cps	12 grams	A66U	1.50
W70	Fig. P	Crystal	4.95	3.0V	3.8V	10-15 grams	5,000 cps	16 grams	A77U	1.50

Standard Cartridges For 78 RPM Records

MODEL NO,	ILLUS. TRATION	TYPE	LIST Price	OUTPUT LEVEL	MIN. NEEDLE FORCE	RESPONSE	NÉT WEIGHT	SHURE NEEDLE NO.	NEEDLE LIST PRICE
W56N ++	Fig. N	Crystal	\$10.00	4.3V	1 oz.	10,000 cps	12 grams	A68D	\$ 3.50
W68†	Fig. O	Crystal	7.50	1.6V	1 oz.	4,500 cps	Dual Wt. 25 grams or 12 grams	A62A	1.50
W78‡	Fig. M	Crystal	5.55	4.0V at 2.0V	1 oz.	6,000 cps	Dual Wt. 25 grams or 12 grams	None	None



<sup>With .453 Mount for Oak Changer.
*Cutter-Cartridge for Wilcox. Goy "Recordette." Equipped with bifurcated needle.
*Dual-Weight Cartridge. With weight-lug, net weight 25 grams. Without weight light study and the same set weight 12 grams.
*Dual-Weight Cartridge. With weight-slug, net weight of same net weight differential. In addition, Model W78 has capacitated to a care set: Into tracking position by ingenious "Twin lever" needle shift system.
*For Columbio 163² Highway HL: Records.
> Model W7 has Capacitor furnished as accessory. Without Capacitor output is a shown above. With Capacitor output is 1.7 volts for 3336, 45 RPM; 2.5 volts for 78 RPM, 1.5 volts for 78 RPM, 1.5 volts for 33¹/₂
* Top mounting for Magnavax cartridge replacement.</sup>

MAGNETIC RECORDING HEADS



Playback-Erase



Record-Playback Also Erase



Record-Playback



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Record-Playback

TECHNICAL DATA-MAGNETIC TAPE AND WIRE RECORDING HEADS

Model	Recording Speed	Bias & Erase Frequency	Std. Recording Level	Operating Bias. Current	Erase* Current	Impedance Erase Coil	Impedance Record-Playback Coil
8L5 (Fiig A)	3.75" per sec 7.5 " per sec 3.75" per sec	25KC 50KC DC	.05 ma .05 ma .095 ma	1.25 ma 1.5 ma .35 ma	27 ma 30 ma 25 ma	750 ohm at 25KC 1300 ohm at 50KC 12 ohm	1450 ohm at 1000 cps 1450 ohm at 1000 cps 180 ohm
815H (Fig. A)	3.75" per sec 3.75" per sec	25KC DC	.03 ma .056 ma	.72 ma .24 ma	27 ma 25 ma	750 ohm at 25KC 12 ohm	5800 ohm at 1000 cps 556 ohm
B16	3.75" per sec 3.75" per sec	25KC DC	.03 ma .07 ma	.80 ma .26 ma			5500 ohm at 1000 cps 556 ohm
817 (Fig. B)	3.75" per sec 3.75" per sec	25KC DC	.06 ma .175 ma	3.6 ma .42 ma			1860 ohm at 1000 cps 180 ohm
TE11C-J	7.5 " per sec 7.5 " per sec 7.5 " per sec	50 KC 75 KC 100 KC			25 ma 26 ma 26 ma	1700 ohm at 50KC 2250 ohm at 75KC 2670 ohm at 100KC	
TE28-J (Fig. E)	3.75" per sec 3.75" per sec 3.75" per sec	50KC 75KC 100KC			10.5 ma 11.5 ma 12.5 ma	1500 ohm at 50KC 1825 ohm at 75KC 1975 ohm at 100KC	
TK41-J (Fig. D) Upper Channel Lower Cliannel Erase	7.5 " per sec 7.5 " per sec 7.5 " per sec	65KC 65KC	.08 ma	1.25 ma	50 ma	2100 ohm at 65KC	1150 ohm at 1000 cps 3300 ohm at 1000 cps
TR21C-J (F18 C)	7.5 " per sec	75KC	.040 ma	1.0 ma			4000 chm at 1000 cps
TR40-J	7.5 " per sec	75KC	.05 ma	.6 ma			4000 ohm at 1000 cps
TR54-J (Fig. F)	3.75" per sec 7.5 " per sec	75 K C	.04 ma	.38 ma			2600 ohm at 1000 cps

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

Recording Medium— Minnesota Mining & Mfg. Co., Yape No. 111 Pressure Pad Force (Area—.025 sq. in.) Two ounces.

RECORDING HEAD DIMENSIONS

Models 815 815H (Fig. A) & 816	Model TR2LC-J (Fig. C)	Model TEI1C-J	
Width 1.240'' Depth 1.031'' Height 695''	Width .600" Depth .821" Height.775"	Width .365" Depth .641" Height .468"	
	Model TR40-J Width .633" Depth .875" Height .469"		
Model 817 (Fig. 8)	Model 1754-J (Fig. F)	Model TE28J (Fig. E)	
Width .552'' Depth .830'' Height.765''	Width .570'' Depth .625'' Height .570''	Width .300" Depth .480" Height .560"	

NUMERICAL LIST OF SHURE TAPE HEADS USED IN ORIGINAL EQUIPMENT

Model	ILLUSTR.	LIST PR.	DESCRIPTION	OPERATING DATA
812	Not Shown	\$20.00	Wire Recording Head.	Not Shown
815	Fig. A	15.00	Upper track recording. Low impedance record-playback coil.	See 815
815H	Fig. A	15.00	Upper track recording. High impedance record-playback coll.	See 815H
816	Not Shown	12.00	Upper track recording. High impedance record-playback coil.	See 816
817	Fig. B	9.00	.093" record track width. Low impedance record-playback coil.	See 817
TE11C-J	Not Shown	12.00	Erase head .132'' erase track width.	See TELLC-J
TE28-J	Fig, E	12.00	Erase head .061" erase track width.	See TE28-J
TK41.J	Fig. D	57.50	Stereo Head Kit to convert magnetic tape recorder to stereophonic playback and mon- aural recording. Fer Revere Models T-10, T-11, TR-20, T-700, T-700D, TR-800, TR-800D, T-900, TR-1000, T-1100, TR-1200, T-70,000. For Wollensak Model T-1500.	See TK4L-J
TR5B-J	Fig. A	17.00	Upper track recording with 14-inch completely insulated leads. Cinch plug attached.	See 815*
TR5N-J	Fig. A	16.00	Special Shield, Special Leads, Special Plug,	See 815*
TR5Z-2J	Fig. A	18.50	Upper track recording. High impedance record-playback coil.	See 815H
TR6-J	Not Shown	12.00	Lower track recording. Low impedance record-playback coil.	Not Shown
TR16-J	Fig. B	9.00	.093" record track width. High impedance record-playback coil.	Not Shown
TR21C-J	Fig. C	14.00	.093" record track width. Record-playback coil.	See TR21C-J
TR26-J	Fig. B	11.00	.093" record track width (¼ mil gap). High impedance record-playback coil.	Not Shown
TR40-J	Not Shown	35.00	2 track stereophonic record/playback head074" width (0.2 mil gap).	See TR40-J
TR54-J	Fig, F	35.00	4 track stereophonic record/playback head, .040" width (0.1 mil gap).	See TR54-J

*Operating data only. 815 does not replace

Shure high-fidelity stereo products

THE ALL-IMPORTANT SOURCE OF SOUND

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True high fidelity sound re-creation, begins at the source of sound. Just as a camera is no better than its lens, a phonograph is no better than its cartridge. The cartridge must translate record groove undulations into precise electrical impulses—without addition, subtraction or distortion of the most subtle nuances. Finest quality components at the source result in an amazing realism and accuracy of sound that makes listening to true high fidelity a genuinely rewarding experience for the music lover.

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SPECIALIZED STEREO PRODUCTS



STEREO LINE PREAMPLIFIER

High quality, low noise, stereo line pre-amplifier providing additional gain for use with magnetic stereo phono cartridges and microphones. Provides flat output response from 30 to 80,000 cps = I db. Low output impedance permits use of longer cable lengths (up to 50 feet) without loss of gain or deterioration in response when used with magnetic phono cartridges, microphones, etc.

SPECIFICATIONS FOR MODEL M60 Net Price: \$19.95

- Gain: 17 db or 7 to 1 (5 mv. input gives 35 mv. output). Circuit change information provided to give one-third and two-thirds output.

Impedance: Input-47,000 ohms.-Output-5,000 ohms.

Hum & Noise: Nominal 64 db below rated output.

Dimensions: 57/8" x 21/8" x 33/8".

Net Weight: 2 lbs.

STEREO CONVERSION PREAMPLIFIER

Provides equalization with amplification for conversion of ceramic inputs to magnetic inputs. Gives smoother, more natural sound. As an added feature, 60 db of amplification without equalization is also provided. Permits the use of a magnetic cartridge with "package" consoles supplied with a ceramic cartridge. Also provides pre-amplification and equalization functions for other inputs (phono, tape, microphone).

SPECIFICATIONS FOR MODEL M65 Net Price: \$74.00

Gain: Phono: 44 db (5 mv input produces .76 v. output) Special: 45 db (5 mv input produces .88 v. output) Tape: 40 db (5 mv input produces .50 v. output) Microphone: 63 db (2 mv input produces 2.8 v. output)

Frequency Response: ±1.5 db of each function's nominal characteristic from 25 cps to 15,000 cps.

Equalization: Phono: RIAA equalization (with additional treble boost of approximately 3 db at 10,000 cps to complement the high frequency characteristic of most magnetic cartridges). Special: A Shure-developed magnetic phono equalization circuit for use with high impedance amplifiers normally used with ceramic phono cartridges.

Tape: NARTB equalization.

Microphone: Flat response. ±3 db from 20 to 12,000 cps. Input Impedance: 47,000 ohms (all functions).

Output Impedance: Low output impedance (less than 5000 ohms at 10,000 cps for phono, special and tape functions).

Channel Separation: 40 db.

Channel Balance: ±1 db at 1000 cps.

Hum-Noise: 50 db below rated output.

Overall Dimensions: Length 6%"; Width 313"; Height 31/4". Net Weight: 1 1b. 14 oz.

BROADCAST STEREO EQUALIZER

Compensates output of stereo and monophonic magnetic cartridges for flat, RIAA and roll-off responses, when used with inputs designed for low impedance micro phones.

SPECIFICATIONS FOR MODEL M66 Net Price: \$60.00

- Frequency Response Deviation (with all Shure Storeo Cartridges): 30 to 20,000 cps ±1 db.
- 30 DB Channel Separation: 30 to 20,000 cps.
- Low Output Impedance: 250 ohms. Provision for 125 & 500 ohms. Circuit: 9-terminal network-3-terminal input, 4-terminal balanced
- output with two convenient Shield terminals for unbalanced output.
- Insertion Loss: Approximately 28 db. (varies with frequency and impedance.)
- Furnished Accessories: Supplied with escutcheon, mounting bolts, L-shaped mountingbracket, and long control shafts for mounting through varying panel thicknesses up to 11/2 inches.

Dimensions: $7\%'' \times 31/2'' \times 3''$ overall. $55/2'' \times 31/2'' \times 3''$ excluding control shafts.

Net Weight: 14/10 lbs.

MODEL M3LS STEREO CARTRIDGE

The M3LS Stereo Cartridge is an individually selected and tested laboratory standard M3D Stereo Professional Dynetic Phono Cartridge. Each M3LS, its corresponding box, individual response curve and specifications are serially numbered. The M3LS is especially suited for: (1) Laboratory measurements. (2) Cross-checking & calibration of associated high fidelity components. (3) Checking master recordings. Each cartridge carries a 3-year guarant ee (not including needle

wear or damage to needle from abuse or mishandling.)

SPECIFICATIONS FOR MODEL MOLS Net Price: Model M3LS-\$75.00

Model N3LS Replacement Stylus-\$25.00 (NOTE: M3LS must be returned to Shure factory for installation of replacement stylus. At this time, new calibration curve and specifications will be issued as part of replacement stylus charge).

Channel Separation: 23 db minimum at 1 KC.; 15 db minimum at 10 KC.

Channel to Channel Balance: 1.5 db maximum (1 KC on monoaural record).

Frequency Response: 30 to 15,000 cps ±2 db.

Output Voltage: 5.0 mv ±2 db per channel at 1.000 cps.

Recommended Load Impedance: 47,000 ohms.

Compliance: 4.4 x 10-6 centimeters per dyne minimum; 7.3 x 10-6 centimeters per dyne maximum at 80°F.

Tracking Force: 3 to 4 grams.

Inductance: 420 millihenrys.

DC Resistance: 280 ohms.

Terminals: 4 terminals. Adaptable to 3 terminal arms.

Mounting Standard 1/2" centers.

Stylus: .0007" diamond stylus.

HIGH FIDELITY PHONOGRAPH CARTRIDGES

Painstakingly tested, proved, perfected-these superb Shure Stereo Dynetic moving-magnet cartridges are designed specifically to satisfy the critical ear of the most discriminating music lover ... the mostexactingaudiophile. They separated is cstere os ound channels with incisive elarity. They are singularly smooth throughout the normally audible spectrum... and they are superior to other separate stereo cartridges in the re-creation of clean lows, truc-to-performance mid-ranges and brilliant highs. Completely compatible!

The M8D Standard Stereo Dynetic is designed for dependable use in record changers. It features clear, hum-free reproduction and trouble-free operation at low cost.

SPECIFICATIONS:

Channel Separation: More than 20db at 1000 cps.

Frequency Response: 30 to 15,000 cps.

- Output Voltage: 5 mv per channel at 1000cps. Recommended Load Impedance: 47,000 ohms.
- Compliance: Vertical, Lateral 3.0 x 10-6 centimeters per dyne.

The M7D Stereo Custom Dynetic is designed for the economy-conscious consumer who wants a quality Stereo Phono Cartridge at moderate cost.

SPECIFICATIONS:

Channel Separation: More than 20db at 1000 cps.

Frequency Response: 20 to 15,000 cps.

- Output Voltage: 5 mv per channel at 1000 cps. Recommended Load Impedance: 47,000 ohms.
- Compliance: Vertical, Lateral 3.5 x 10-4 centimeters per dyne.

The M3D Stereo Professional Dynetic is the premium stereo phono cartridge. It reflects quality control of a high order, based on critical tolerances in all performance characteristics.

SPECIFICATIONS:

Channel Separation: More than 20db at 1000 cps.

- Frequency Response: 20 to 15,000 cps (±3 db).
- Output Voltage: 5 mv per channel at 1000 cps. Recommended Load Impedance:

47.000 ohms.

For those who prefer monophonic cartridges with monophonic records. Shure offers the outstanding Model M5D Professional Dynetic.

SPECIFICATIONS:

- Frequency Response: 20 to 20,000 cps.
- Sensitivity: Output at 1,000 cycles-21 millivolts for 10 cms/see.
- Recommended Load Impedance: 27,000 ohms.
- Compliance: 3 x 10-" centimeters per dyne. Tracking Force: 2 to 6 grams.

Inductance: 350 millihenrys.

D. C. Resistance: 440 ohms.

Inductance: 420 millihenrys. D.C. Resistance: 280 ohms

Tracking Force: 5 to 8 grams.

Terminals: 4 terminals. Adaptable to 3 terminal arms.

MOUNTING: Standard 1/2" and 15" centers. STYLUS: .0007" diamond stylus.

Model M8D Standard Stereo Dynetic cartridge ... including .0007" diamond stylus.

- Audiophile Net: SI6.50
- Model N8D Stereo Stylus assembly for M8D, including .0007" diamond. Audiophile Net: \$8.25

Tracking Force: 4 to 7 grams.

Inductance: 420 millihenrys.

D. C. Resistance: 280 ohms.

Terminals: 4 terminals. Adaptable to 3 terminal arms.

MOUNTING: Standard 1/2" and 1/2" centers.

STYLUS: .0007" diamond stylus.

Model M7D Custom Stereo Dynetic cartridge ... including .0007" diamond stylus. Audiophile Net: \$24.00

Model N7D Stereo Stylus assembly for M7D, including .0007" diamond.

Audiophile Net: \$12.00

Compliance: Vertical, Lateral 4.0 x 10-" centimeters per dyne.

Tracking Force: 3 to 6 grams.

Inductance: 420 millihenrys.

D. C. Resistance: 280 ohms.

- Terminals: 4 terminals. Adaptable to 3 terminal arms.
- MOUNTING: Standard 1/2" centers.
- STYLUS: .0007" diamond stylus.
- Model M3D Professional Sterco Dynetic car-tridge ... including .0007" diamond stylus.

Audiophile Net: \$45.00

Model N3D Stereo Stylus assembly for M3D, including .0007" diamond. Audiophile Net: \$22.50

Model M5D-has .001" diamond for use

- with micro-groove records. 33.4, 45 r.p.m. Model M6S-has .0027" sapphire for use
- with standard records, 78 r.p.m.

Model M5D Monophonic Professional Dynetic Phono Cartridge for L.Precords including NSD .001" diamond stylus. Audiophile Net: \$27.50

Model M6S Monophonic Professional Dynctic Phono Cartridge for 78 rpm records including N6S .0027" sapphire stylus.

Audiophile Net: \$15.00

Model N50 Monophonic Professional Dynetic stylus with .001" diamond tip. Audiophile Net: \$16.50

Model N6S Monophonic Professional Dynetic stylus with .0027" sapphire tip.

Audiophile Net: \$5.00





Model M7D CUSTOM STEREO DYNETIC



Model M3D STEREO DYNETIC



Model M5D MONOPHONIC DYNETIC

NEW HIGH FIDELITY PHONOGRAPH CARTRIDGES

... for Utmost Performance in superior high fidelity systems



To meet the overwhelming demand for a separate stereo cartridge that will enable tracking at extremely low pressures $(2-2\frac{1}{2})$ grams), Shure announces these worthy additions to the incomparable family of Stereo Dynetics.



MODEL M7D WITH N21D TUBULAR STYLUS

SPECIFICATIONS:

Channel Separation: More than 20db at 1000 cps.

Frequency Response: 20 to 20,00() cps.

Output Voltage: 4 mv per channel at 1000 cps. Recommended Load Impedance: 47,000 ohms. Compliance: Vertical, Lateral 9.0 x 10-6

centimeters per dyne.

Tracking Force: 2 grams optimum. Forces greater than 2½ grams should not be used. Inductance: 420 millihenrys. D. C. Resistance: 280 ohms.

Terminals: 4 terminals. Adaptable to 3 terminal arms.

utilities and the

MOUNTING: Standard $\frac{1}{16}$ " and $\frac{1}{16}$ " centers.

STYLUS: .0007" diamond stylus.

Model M7D Custom Stereo Dynetic cartridge ... including Model N21D, .0007" diamond stylus. Audiophile Net : \$36.75

Model N21D Stereo Stylus assembly for M7D, including .0007" diamond. Audiophile Net: \$24.75



MODEL M3D WITH N21D TUBULAR STYLUS

SPECIFICATIONS:

Channel Separation: More than 20db at 1000 cps.

Frequency Response: 20 to 20,000 cps (±21/2 db)

Output Voltage: 4 my per channel at 1000 cps.

Recommended Load Impedance: 47,000 ohms. Compliance: Vertical, Lateral 9.0 x 10-6

centimeters per dyne.

Tracking Force: 2 grams optimum. Forces greater than 21/2 grams should not be used.

Inductance: 420 millihenrys.

D. C. Resistance: 280 ohms.

Terminals: 4 terminals. Adaptable to 3 terminal arms.

MOUNTING: Standard 1/2" centers.

STYLUS: .0007" diamond stylus.

Model M3D Professional Stereo Dynetic cartridge...including Model N21D, .0007" diamond stylus. Audiophile Net; \$47.25

Model N21D Stereo Stylus assembly for M3D, including .0007" diamond.

Audiophile Net: \$24.75

CAUTION: These cartridges are to be used only in manual tone arms and record changer arms capable of tracking at two grams pressure. For those applications calling for tracking forces in excess of $2\frac{1}{2}$ grams, you should select either the Shure M3D, M7D or M8D cartridge (see page 25).

Since a stereo cartridge is only as good as the tone arm which houses it, Shure offers the premium-quality Professional Tone Arm (M232 & M236) with either of the above cartridges installed. This perfect "marriage" of separate tone arm and cartridge insures top quality at reasonable cost.

 Audiophile Net

 Model M232 Professional Tone Arm with an M7D Cartridge and N21D Tubular Stylus installed.......\$66.70

 Model M236 Professional Tone Arm with an M7D Cartridge and N21D Tubular Stylus installed......\$68.70

 Model M232 Professional Tone Arm with an M3D Cartridge and N21D Tubular Stylus installed......\$67.20

 Model M236 Professional Tone Arm with an M3D Cartridge and N21D Tubular Stylus installed.......\$77.20

 Model M236 Professional Tone Arm with an M3D Cartridge and N21D Tubular Stylus installed.......\$79.20

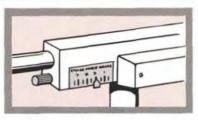
THE ABOVE MODELS ARE PRE-BALANCED ... ALSO PRE-SET FOR TRACKING AT TWO GRAMS PRESSURE, THE CORRECT TRACKING FORCE FOR OPTIMUM PERFORMANCE.

SHURE PROFESSIONAL TONE ARM

Combines more important features than any other independent tone arm.

Professional TONE ARM

Direct-Reading Tracking Force Scale Adjustment

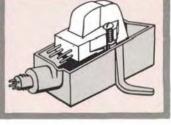


The Shure M232 and M236 Professional Tone arm is a premium-quality independent tone arm that accepts practically all cartridges (Stereo and Monophonic) and permits their maximum potential performance characteristics to be utilized. Features precision ball bearings at all pivot points, plug-in head with positive-alignment lock, variable height adjustment. Pays for itself in reduced record wear and damage. Ingeniously simple and unprecedented combination of adjustments give instant, positive, VISUAL control over balance (without altering overall arm length), tracking force (0-8 grams), and overhang. Floats the needle over the record . . . smoothly-without "drag"without "skip"-without unnecessary (and ruinous) force. Furnished with cable having plug on each end to simplify and speed up installation (climinates soldering).



Adjustable Counter-Balance

Plug-in Head Accepts Most Cartridges



Cable-Plug Assembly Eliminates Soldering

SPECIFICATIONS: MODELS M232 - M2	36 PROFESSIONAL TONE ARMS
NET PRICE: TONE ARM M232, for 12" records	\$29.9
TONE ARM M236, for 16" records	\$31.9
Model A23H Extra Plug-In Head	\$ 2.4
FURNISHED ACCESSORIES: Arm rest, mounting tem	
DIMENSIONS: M232-1215" long	
M236—141/2" long	
NET WEIGHT: M232 M236	
1 lb. 1 1/8 lbs.	

the incomparable



INTEGRATED TONE ARM AND CARTRIDGE ... cannot scratch records

... for critical broadcast and recording applications

The overwhelming first choice of perfectionists who appreciate the full importance of "integrated" tone-arm and cartridge to optimum stereo performance. *Tracks* at incredibly light $1\frac{1}{2}-2\frac{1}{2}$ grams—with unparalleled fidelity . . . absolutely minimizes record wear, and CANNOT scratch records! We urge you to make listening tests of this unit before buying any stereo cartridge or arm—you'll hear the difference.

The Studio Stereo Dynetic has a special advantage for those music lovers who like to "index." The cartridge stylus is placed far in front, making it extremely easy for you to position the stylus on the exact spot of the record you want to play.

Still another feature of the Studio Stereo Dynetic is the fact that the stylus can be changed in the home without tools—within ten seconds.



AUDIOPHILE TECHNICAL INFORMATION

SPECIFICATIONS	STEREOPHONIC M216; M212	MONOPHONIC MI6; M12
Tracking Force	156-25 grams	1-2 grams
Frequency Response	20-20,000 cps ± 2½ db	20-20,000 ± 2 db
Channel Separation	over 20 db at 1000 cps	•
Sensitivity: Output at 1000 cps	4.5 mv per channel (On Westrex /4 Test Record)	14 mv for 10 cms/sec
Recommended load impedance	47.000 ohms	10,000 ohms
Compliance: (Vertical,* Lateral)	9 x 10-4 cms/dyne	\$ x 10-4 cms/dyne
Inductance	400 millihenrys	130 millihenrys
D.C. Resistance	600 ahms	180 ohms
Needle tip Mass	1,3 milligrams	1.25 milligrams
Stvius	.0007" diamond	.0007" diamond

*applies to stereo units only

DIMENSIONS	Model M216 Model M16	Model M212 Madel M12	
Over-all length:	14%*	11%*	
Stylus tip to center of arm base:	11*	83/2 *	
Arm base diameter:	2*	2"	
Range of height adjustment:	1%*	1%*	
Arm pivot to turntable center:	101%2"	8¼*	
Net weight (arm and cartridge):	11.1 oz.	10.6 oz.	

CATALOG NUMBERS, PRICES

MONOPHONIC UNITS

- Model M16—Monophonic Studio Dynetic for records up to 16" including M1 cartridge with .0007" Diamond Stylus. Audiophile Net: \$79.50
- Model M12—Monophonic Studio Dynetic for records up to 12" including M1 cartridge with .0007" Diamond Stylus. Audiophile Net: \$79.50
- Model MI-Monophonic Studio Dynetic Cartridge for LP records with .0007" Diamond Stylus. Audiophile Net: \$42.00
- Model M2-Monophonic Studio Dynetic Cartridge for 78 rpm records with .0027" Diamond Stylus. Audiophile Net: \$42.00
- Model N1-Replacement Monophonic Studio Dynetic Stylus with .0007* Diamond tip. Audiophile Net: \$21.00
- Model N2—Replacement Monophonic Studio Dynetic Stylus with .0027" Diamond tip. Audiophile Net: \$21.00
- Model A29R—Adapter Plate for use with Model M12 or M212 for mounting purposes with the Rek-O-Kut turntable. Audiophile Net: \$2.40

STEREOPHONIC UNITS

- Model M216—Studio Stereo Dynetic for records up to 16" including M21 cartridge with .0007" Diamond Stylus Audiophile Net: \$89.50
- Model M212—Studio Stereo Dynctic for records up to 12" including M21 cartridge with .0007" Diamond Stylus. Audiophile Net: \$89.50
- Model M21—Studio Stereo Dynetic Cartridge with .0007" Diamond Stylus. Aud tophile Net: \$49.50
- Model N21D-Replacement Stereophonic stylus assembly for Model M21, M216, M212; .0007" Diamond tip. Audiophile Net: \$24.75
- Model A30C—Stereo Cable Assembly for connecting M212 or M216 to preamplifier and amplifiers. Assures maximum performance and greatest ease of installation. Audiophile Net: \$1.95