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.
Combines more important features than any other independent tone arm.

**Professional TONE ARM**

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 (eliminates soldering).

**SPECIFICATIONS: MODELS M232 - M236 PROFESSIONAL TONE ARMS**

- **NET PRICE:** TONE ARM M232, for 12" records ............................................. $29.95
  TONE ARM M236, for 16" records ......................................................... $31.95
  Model A23H Extra Plug-In Head ............................................................ $ 2.40
- **FURNISHED ACCESSORIES:** Arm rest, mounting template, mounting hardware, 4 ft. cable assembly.
- **DIMENSIONS:** M232—12½" long
  M236—14½" long
- **NET WEIGHT:** M232 1 lb.
  M236 1½ lbs.
NEW HIGH FIDELITY PHONOGRAPH CARTRIDGES

...for Utmost Performance in superior high fidelity systems

NEW SHURE STEREO DYNETIC PHONO CARTRIDGES featuring

THE INCREDIBLY COMPLIANT

N21D TUBULAR, DIAMOND STYLUS

To meet the overwhelming demand for a separate stereo cartridge that will enable tracking at extremely low pressures (2-2.5 grams), Shure announces these worthy additions to the incomparable family of Stereo Dynetics.

SPECIFICATIONS:
Channel Separation: More than 20db at 1000 cps.
Frequency Response: 20 to 20,000 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 2.5 grams should not be used.
Inductance: 420 millihenrys.
D.C. Resistance: 280 ohms.
Terminals: 4 terminals. Adaptable to 3 terminal arms.
MOUNTING: Standard ½" and ⅝" 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

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 2.5 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..............$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.
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 most exacting audiophile. They separate disc stereo sound channels with incisive clarity. 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, true-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 20 db at 1000 cps.
Frequency Response: 20 to 20,000 cps.
Output Voltage: 5 mv per channel at 1000 cps.
Recommended Load Impedance: 47,000 ohms.
Compliance: Vertical, Lateral 3.0 x 10^-6 centimeters per dyne.

Tracking Force: 5 to 8 grams.
Inductance: 420 millihenrys.
D.C. Resistance: 280 ohms.
Terminals: 4 terminals. Adaptable to 3 terminal arms.
MOUNTING: Standard 1/4" and 1/2" centers.
STYLUS: .0007" diamond stylus.
Model M8D Standard Stereo Dynetic cartridge...including .0007" diamond stylus.
Audiophile Net: $16.50
Model N8D Stereo Stylus assembly for M8D, including .0007" diamond.
Audiophile Net: $8.25

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 20 db 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^-6 centimeters per dyne.

Tracking Force: 4 to 7 grams.
Inductance: 420 millihenrys.
D.C. Resistance: 280 ohms.
Terminals: 4 terminals. Adaptable to 3 terminal arms.
MOUNTING: Standard 1/4" 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

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 20 db 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.
Compliance: Vertical, Lateral 4.0 x 10^-6 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 1/4" centers.
STYLUS: .0007" diamond stylus.
Model M3D Professional Stereo Dynetic cartridge...including .0007" diamond stylus.
Audiophile Net: $45.00
Model N3D Stereo Stylus assembly for M3D, including .0007" diamond.
Audiophile Net: $22.50

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 cm/sec.
Recommended Load Impedance: 27,000 ohms.
Compliance: 3 x 10^-6 centimeters per dyne.
Tracking Force: 2 to 6 grams.
Inductance: 350 millihenrys.
D.C. Resistance: 440 ohms.

Model M5D—has .001" diamond for use with micro-groove records, 33 1/3, 45 r.p.m.
Model M6S—has .0027" sapphire for use with standard records, 78 r.p.m.
Model M5D Mono Monophonic Professional Dynetic Phono Cartridge for LP records including N5D .001" diamond stylus. Audiophile Net: $27.50
Model M6S Monophonic Professional Dynetic Phono Cartridge for 78 r.p.m. records including N6S .0027" sapphire stylus. Audiophile Net: $15.00
Model N5D Mono 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
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 ±1 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 phonograph 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: 53/4" x 31/4" x 31/4".
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 ceramic 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: $24.95
Gain: Phonos: 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: Phonos: 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 phonograph 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 63/4"; Width 31/8"; Height 31/4".
Net Weight: 1 lb. 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 microphones.

SPECIFICATIONS FOR MODEL M66

Net Price: $60.00
Frequency Response Deviation (with all Shure Stereo 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 & 300 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 mounting bracket, and long control shafts for mounting through varying panel thicknesses up to 1 1/2 inches.
Dimensions: 53/4" x 3 1/2" x 3" excluding control shafts.
Net Weight: 14/50 lbs.

TRANSISTORIZED STEREO PREAMPLIFIER

Compact, rugged, transistorized unit with choice of AC line or battery power supply. Unique design permits extreme flexibility of installation and use—can be mounted in vertical or upright position or upside down. Slide-selector switch offers three equalization inputs:
(1) "phono" for conversion of ceramic phono inputs for use with magnetic cartridges;
(2) "tape" for equalization of tape playback directly from tape head through hi-fi control preamplifier; and
(3) "microphone" for flat amplification wherever a boost in microphone output is required.

SPECIFICATIONS FOR MODEL M61

Net Price: Model M61-1 (for 105-125 v. AC line) $27.50
Model M61-3 (30 v. Battery, included) $26.50
Gain: Phonos: 45 db (5 mv input produces .88 v. output)
   Tape: 40 db (2 mv input produces .20 v. output)
Microphone: 63 db (2 mv input produces 2.8 v. output)
Frequency Response: ±2.5 db of each function's nominal characteristic from 25 cps to 15,000 cps.
Equalization: Phonos: RIAA equalization (with additional treble boost of approximately 3 db at 10,000 cps to complement the high frequency characteristic of most magnetic cartridges).
   Tape: NARTB equalization.
   Microphone: Flat response. ±3 db from 20 to 15,000 cps.
Input Impedance: Phonos and Tape: approximately 50,000 ohms at 1,000 cps.
Microphone: Approximately 20,000 ohms.
Output Impedance: Low output impedance (less than 1,000 ohms at 10,000 cps for phono and tape functions).
Channel Separation: At least 50 db at 1,000 cps.
Channel Balance: 2 db at 1,000 cps (for phono and tape functions).
Hum Noise: 50 db below rated output.
Overall Dimensions: Length 5"; Width 5 1/2"; Height 2 1/2".
Net Weight: 1 1/4 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 1/2±2/12 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

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>STEREOPHONIC M216, M212</th>
<th>MONOPHONIC M16, M12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking Force</td>
<td>1±2½ grams</td>
<td>1±2 grams</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>20-20,000 cps ± 2½ db</td>
<td>20-20,000 ± 2 db</td>
</tr>
<tr>
<td>Channel Separation</td>
<td>6.5 mv per channel (On Westrex 1A Test Record)</td>
<td>* 14 mv for 10 cms/sec</td>
</tr>
<tr>
<td>Sensitivity: Output at 1000 cps</td>
<td>47,000 ohms</td>
<td>10,000 ohms</td>
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<tr>
<td>Recommended load impedance</td>
<td>9 x 10⁴ cms/dyne</td>
<td>9 x 10⁴ cms/dyne</td>
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<tr>
<td>Channel Impedance</td>
<td>130 millihenrys</td>
<td>130 millihenrys</td>
</tr>
<tr>
<td>D.C. Resistance</td>
<td>180 ohms</td>
<td>180 ohms</td>
</tr>
<tr>
<td>Needle tip Mass</td>
<td>1.25 milligrams</td>
<td>1.25 milligrams</td>
</tr>
<tr>
<td>Stylus tip Mass</td>
<td>.0007&quot; diamond</td>
<td>.0007&quot; diamond</td>
</tr>
</tbody>
</table>

*applies to stereo units only

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 M1—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 .0007" 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 Dynetic 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. Audiophile Net: $49.50
Model N21D—Replacement Stereophonic Stylus Assembly for Model M21, M216, M212; .0007" Diamond tip. Audiophile Net: $24.75
Model N25D—Replacement Stereophonic Stylus Assembly for Model M21, M216, M212; identical to N21D above, but .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
An outstanding achievement in stereo sound re-creation. Ultra-light tracking preserves the record surface and fidelity, significantly decreases needle wear. Completely new super-rugged, high-compliance stylus assembly is encased in plastic “grip”—makes stylus changing as easy as plugging-in an electric cord. Special high efficiency Mu-metal shielding prevents pick-up of hum. High output, highest fidelity, superb channel separation.

CARTRIDGE SERIES — MODEL M33-5 — MODEL M33-7
A magnificent cartridge for the very finest sound systems. Extraordinarily compliant stylus permits pressures as low as 1 gram (!) with flawless tracking, outstanding channel separation, highest fidelity. Choice of needle sizes: conventional .0007” stereo diamond, or micro-miniature .0005” diamond.

MODEL M33-5
Professional Stereo Dynetic Cartridge including N33-5 stylus assembly (Red) with .0005” diamond.
Audiophile Net Price ...........................................$36.50

MODEL M33-7
Professional Stereo Dynetic Cartridge including N33-7 stylus assembly (White) with .0007” diamond. 
Audiophile Net Price ...........................................$36.50

MODEL N33-5
Stereo Stylus Assembly for M33-5 (also fits M33-7). Features .0005” diamond tip. (Red plastic grip)
Audiophile Net Price ...........................................$19.50

MODEL N33-7
Stereo Stylus Assembly for M33-7 (also fits M33-5). Includes .0007” diamond tip. (White plastic grip)
Audiophile Net Price ...........................................$19.50

DYNETIC 78 RPM MONOPHONIC STYLUS
FOR M33 OR M77 CARTRIDGES
Adapts either M33 or M77 series cartridges to monophonic 78 R.P.M. operation with .0027” diamond tip stylus. Frequency response 30 to 15,000 cps; Output 11.5 millivolts; Compliance 6 x 10^-6 cm/dyne; tracks at 5 to 6 grams.

MODEL N78
Stereo Stylus Assembly for M33 or M77 Cartridge, with .0027” diamond (Green plastic grip)
Audiophile Net Price ...........................................$8.55

SPECIFICATIONS
Channel Separation: More than 20.0 db at 1,000 cps
Frequency Response: 20 to 17,000 cps
Output Voltage: 9 mv per channel at 1,000 cps
Recommended Load Impedance: 47,000 ohms
Compliance: Vertical, Lateral 6.0 x 10^-6 centimeters per dyne
Tracking Force: 3 to 6 grams
Inductance: 600 millihenrys
D.C. Resistance: 750 ohms
Terminals: 4 terminals. Furnished with adapters for 3-terminal stereo or monaural use.
Mounting: Standard 1/4” and 3/16” centers
Stylus: .0027” diamond stylus

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