

Shure high-fidelity stereo products

FOR THE LATEST IN SHURE STEREO DYNETIC PHONO CARTRIDGES—SEE BACK COVER....

THE ALL-IMPORTANT SOURCE OF SOUND

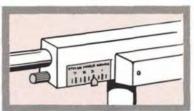
SHURE PROFESSIONAL TONE ARM

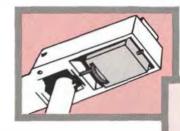


Professional TONE ARM

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 (climinates soldering).

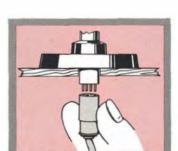
Direct-Reading Tracking Force Scale Adjustment





Adjustable Counter-Balance





Cable-Plug Assembly Eliminates Soldering

SPECIFICATIONS: MODELS M232 - M236 PROFESSIONAL TONE ARMS

NET PRICE: TONE ARM M232, for 12" records......\$29.95

Model A23H Extra Plug-In Head.....\$ 2.40

FURNISHED ACCESSORIES: Arm rest, mounting template, mounting hardware, 4 ft. cable assembly.

DIMENSIONS: M232—1211 long

M236-141/2" long

NET WEIGHT: M232

M236

1 lb.

11/8 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

YLUS *

To meet the overwhelming demand for a separate stereo cartridge that will enable tracking at extremely low pressures (2-2½ 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 2½ 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" and 1/4" 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



SPECIFICATIONS:

Channel Separation: More than 20db at 1000 cps.

Frequency Response: 20 to 20,000 cps (±2½ 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 2½ grams should not be used.

Inductance: 420 millihenrys.

D. C. Resistance: 280 ohms.

Terminals: 4 terminals. Adaptable to

3 terminal arms.

MOUNTING: Standard ½" centers. STYLUS: .0007" diamond stylus.

Model M3D Professional Stereo Dynetic cartridge...including Model N21D, .0007" diamond stylus. Audiophife 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.

Audi			

- 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.

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 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 20db at 1000 cps.

Frequency Response: 30 to 15,000 cps. Output Voltage: 5 mv per channel at 1000 cps. Recommended Load Impedance: 47,000 ohms

Compliance: Vertical, Lateral 3.0 x 10-6 ccntimeters 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 1/2" and 1/4" 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 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

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 1/2" and 1/4" 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



CUSTOM STEREO DYNETIC

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 $(\pm 3 \text{ db})$.

Output Voltage: 5 mv per channel at 1000 cps. Recommended Load Impedance:

47,000 ohms.

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 Stereo 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 M3D PROFESSIONAL STEREO DYNETIC

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/sec.

Recommended Load Impedance: 27,000

Compliance: 3 x 10-4 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, 331/3, 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 LP records including N5D .001" diamond stylus. Audiophile Net: \$27.50

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

Audiophile Net: \$15.00

Model N5D 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



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 ±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 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: 5\%" x 2\%" x 3\%".

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: \$24.00

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 314"; Height 314".

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 & 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 mounting bracket, and long control shafts for mounting through varying panel thicknesses up to 11/2 inches.

Dimensions: 7%" x 31/2" x 3" overall.

5½" x 3½" x 3" excluding control shafts.

Net Weight: 14/10 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:

(I) "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) Model M61-3 (30 v. Battery, included) \$27.50 \$26.50

Gain: Phono: 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: 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). Tape: NARTB equalization.

Microphone: Flat response. ±3 db from 20 to 15,000 cps.

Input Impedance: Phono 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.

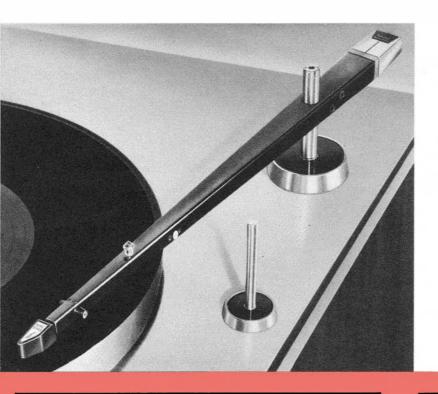
Overall Dimensions: Length 5"; Width 51/4"; Height 2".

Net Weight: 11/4 lbs.



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 1½-2½ grants—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 levers 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 M16; M12
Tracking Force	1½-2½ grams	1-2 grams
Frequency Response	20-20,000 cps ± 2½ db	20-20,000 ± 2 db
Channel Separelion	over 20 db at 1000 cps	•
Sensitivity: Output at 1000 cps	4.5 mv per channel (On Westrex 1A Test Record)	14 mv for 10 cms/sec
Recommended toad impedance	47,000 ohms	10,000 ohms
Compliance: (Vertical,* Laterat)	9 x 10-6 cms/dyne	9 x 10-6 cms/dyne
Inductance	400 millihenrys	130 millihenrys
D.C. Resistance	600 olams	180 ohms
Needle tip Mass	1.3 milligrams	1.25 milligrams
Stytus	.0007" diamond	.0007* diamond

^{*}applies to stereo units only

DIMENSIONS	Model M216 Model M16	Model M212 Model M12
Over-all length:	14¾*	12%*
Stylus tip to center ollarm base:	11'	81/2 *
Arm base dia meter :	2"	2"
Range of height adjustment:	1%*	15% "
Arm pivot to turnfable center:	101%2"	814 *
Het weight (arm and cartridge):	11.1 02.	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 L₱ 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 NI—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 mount ing 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 .0005" 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

THE INCREDIBLE M33 AND M77



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 I 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

	Cartridge including N33-5 stylus
assembly (Red) with .0005"	diamond.
	\$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

SPECIFICATIONS	M33-5	M33-7
Channel Separation (at 1000 cps) Frequency Response Output Yoltage (per channel, at 1000 cps) Recommended Load I mpedance (per channel) Compliance; Vertical & Lateral Tracking Force Inductance D.C. Resistance Terminals	47,000 ohms 20,0 x 10-6 cent, per dyne 1 to 3 grams* 600 millihenrys 750 ohms 4 terminals. (Furn for 3-terminal stere	per dyne 1 to 3 grams* 600 mil/ihen rys 750 ohms ished with adapter
Mounting Centers	Fits Standard 1/4"	



CARTRIDGE MODEL M77

An excellent, moderately-priced cartridge for use in fine quality sound systems with tone arms that track at 3 to 6 grams. Higher output permits operation of amplifier at lower gain with N77 .0007" diamond included.

Audiophile Net Price.....\$27.50

Stereo Stylus Assembly for M77 Stereo Dynetic Cartridge, Includes .0007" diamond tip. (Black plastic grip) Audiophile Net Price.....\$10.50

SPECIFICATIONS

Channel Separation: More than 20.0 db at 1,000 cps 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 Re ommended Load I mpedance: 47,000 ohms Compliance: Vertical, Lateral 6.0 x 10-5 centimeters per dyne Tracking Force: 3 to 6 grams Inductance: 600 millihenrys 0.C. Resistance: 750 ohms Terminals: 4 terminals. Furnished with adapters for 3-terminal stereo or monaural use.

Mounting: Standard ½" and ½6" centers Stylus: ,0007" diamond stylus

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 4 to 6 grams.

MODEL N78

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