THE PREMIER FAMILY
OF STEREO SOUND REPRODUCERS

SHURE
STEREO DYNETIC®
HIGH FIDELITY PHONO CARTRIDGES
TONE ARMS
STYLI
HEADPHONE AMPLIFIERS
The all-important source of sound

True high fidelity sound re-creation begins at the source of sound. Just as a camera is no better than its lens, a phonograph system is no better than its cartridge. This breath-takingly precise miniaturized electric generator (that’s really what it is) must carry the full burden of translating the miles-long stereo record groove into usable electrical impulses . . . and should do this without adding or subtracting from what is on the recording. Knowing this, Shure quality standards are rigidly maintained at the highest levels.
the most important advance
in phono cartridges
since the advent of stereo

THE \textbf{SHURE} V-15 \textbf{TYPE II}

... \textbf{A NEW GENRE OF CARTRIDGE, ANALOG-COMPUTER}

\textbf{DESIGNED, AND MEASURED AGAINST A NEW AND}

\textbf{MEANINGFUL INDICATOR OF TOTAL PERFORMANCE:}

\textbf{TRACKABILITY}

The radically different V-15 Type II heralded a new epoch in high performance cartridges and in the measurement of their performance. We call it the era of high Trackability. Because of it, all year records will sound better and, in fact, you will hear some recordings tracked at light forces for the first time without distortion.

**THE PROBLEM:**

While audiophiles prefer minimum tracking forces to minimize record wear and preserve fidelity, record makers prefer to cut recordings at maximum levels with maximum cutting velocities to maximize signal-to-noise ratios. Unfortunately, some "loud" records are cut at velocities so great that normally superior styli have been unable to track some given passages without introducing gross distortion. Hence, high level recordings of orchestral bells, harpsichords, pianos, etc., cause the stylus to part company with the wildly undulating groove (the stylus actually screeches to track). At best, this produces an audible click at worst, sustained gross distortion and outright noise. The "obvious" solution of increasing tracking force is impractical because this calls for a stiffer, less compliant stylus system to support the greater weight-and a stiffer stylus system will not track these transients or heavy low frequency modulations, to say nothing of the heavier force accelerating record and stylus wear to an intolerable degree.

Shure has collected scores of these demanding high level recordings and painstakingly and thoroughly analyzed them. It was found that in some cases, after only a few playings, the high velocity high or mid-range groove modulations were "shaved" off or pointed out by the stylus... thereby eliminating the high fidelity. Other records, which were off-handedly dismissed as unplayable or poor pressings were found to be acceptable. They were simply too high in recorded velocity and, therefore, untrackable by existing styli.

Most significantly, as a result of these analyses, Shure engineers established the maximum recorded velocities of various frequencies on quality records and set about designing a cartridge that would track the entire audible spectrum of these maximum velocities at tracking forces of less than 16 grams.

**ENTER THE COMPUTER:**

The solution to the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the stylus shank; or the compliance of the bearing; the viscous damping of the bearing; the trackability of the record, etc., etc. The number of permutations and combinations of these elements is so complex that the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the stylus shank; or the compliance of the bearing; the viscous damping of the bearing; the trackability of the record, etc., etc. The number of permutations and combinations of these elements is so complex that the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the stylus shank; or the compliance of the bearing; the viscous damping of the bearing; the trackability of the record, etc., etc. The number of permutations and combinations of these elements is so complex that the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the stylus shank; or the compliance of the bearing; the viscous damping of the bearing; the trackability of the record, etc., etc. The number of permutations and combinations of these elements is so complex that the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the stylus shank; or the compliance of the bearing; the viscous damping of the bearing; the trackability of the record, etc., etc. The number of permutations and combinations of these elements is so complex that the solution to the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the stylus shank; or the compliance of the bearing; the viscous damping of the bearing; the trackability of the record, etc., etc. The number of permutations and combinations of these elements is so complex that the solution to the problem of true trackability proved so complex that Shure engineers designed an analog-computer that closely duplicated the mechanical variables and characteristics of a phonograph cartridge. With this unique device they were able to observe precisely what happened when you varied the many factors which affect trackability: inertia of tip end of the stylus or the main end of the stylus; the compliance between the record and the needle tip, or the compliance of the styli

**SPECIFICATIONS**

- **Trackability**: 40 at 400 Hz, 20 at 2,000 Hz, 10 at 10,000 Hz
- **Frequency Response**: From 20 to 25,000 Hz
- **Output Voltage**: 3.5 mv per channel at 1,000 Hz at 5 CM/SEC
- **Channel Separation**: Over 25 db at 1,000 Hz
- **Channel Balance**: Output from each channel within 2 db
- **Stylus**: VN15E Bi-Radial Elliptical Stylus, Diamond Tip
- **Inductance**: 720 millihenries
- **D.C. Resistance**: 630 ohms
- **Weight**: Net weight-6.8 grams
- **Terminals**: 4 terminals (with loop pinjack for 3-terminal connection)
- **Input Capacitance**: 300 - 500 Pico-Farads per channel, including arm cable
- **Can be used up to 70,000 ohms with almost inaudible change in frequency response.

**MODEL VN7 ELLIPTICAL STYLUS**

- **Type**: V-15 Type II or V-15 II-7 Cartridges
- **Price**: $67.50
- **Recommended Load Impedance**: Nominally 47,000 ohms (per channel)
- **D.C. Resistance**: 630 ohms
- **Mounting**: Standard 1/2 inch (12.7 mm) mounting centers
- **Can be used up to 70,000 ohms with almost inaudible change in frequency response.
more about trackability

The photomicrograph above portrays an errant, hard-to-track castanet sound in an otherwise conservatively modulated recording. The somewhat more heavily modulated grooves shown below are an exhilarating combination of flutes and maracas with a low frequency rhythm complement from a recording cut at sufficiently high velocity to deliver precise and definitive intonation, full dynamic range, and optimum signal-to-noise ratio. Neither situation is a rarity, far from it. They are the very essence of today's highest fidelity recordings.

But when played with an ordinary "good" quality cartridge, the stylus invariably loses contact with these demanding grooves—the castanets sound raspy, while the flute and maracas sound fuzzy, leaden, and "torn apart." Increasing tracking weight to force the stylus to stay in the groove will literally shave off the groove walls. Only High Trackability cartridges will consistently and effectively track all the grooves in today's recordings at light, record-saving pressures... even with cymbals, orchestral bells, and other difficult to track instruments. They will preserve the fidelity and reduce distortion from all your records, old and new.

LOWEST COST
LIGHT TRACKING
HIGH TRACKABILITY CARTRIDGE

MODEL M75E
HI-TRACK ELLIPTICAL
¾ to 1½ grams tracking
$39.95

MODEL M91E
HI-TRACK ELLIPTICAL
¾ to 1½ grams tracking
$49.95

Optimized design parameters for trackability second only to the incomparable V-15 Type II.

**SPECIFICATIONS FOR M91E**

- **Trackability** at 1 gram tracking force using a Shure/SME Arm:
  - 18 CM/SEC at 400 Hz
  - 25 CM/SEC at 1,000 Hz
  - 14 CM/SEC at 10,000 Hz

- **Frequency Response**: From 20 to 20,000 Hz

- **Output Voltage**: 6.2 mv per channel at 1,000 Hz at 5 CM/SEC

- **Channel Separation**: Over 25 db at 1,000 Hz

- **Channel Balance**: Output from each channel within 2 db

- **Stylus**: N7SE Elliptical with diamond tip
  - 0.0007 inch (17.8 microns) frontal radius
  - 0.0002 inch (5 microns) side contact radius
  - 0.0010 inch (25 microns) wide between record contact points

- **Tracking Force**: ¾ to 1½ grams

- **Recommended Load Impedance**: 47,000 ohms (per channel)

**SPECIFICATIONS FOR M75E**

- **Trackability** at 1 gram tracking force using a Shure/SME Arm:
  - 18 CM/SEC at 400 Hz
  - 25 CM/SEC at 1,000 Hz

- **Frequency Response**: From 20 to 20,000 Hz

- **Output Voltage**: 6.2 mv per channel at 1,000 Hz at 5 CM/SEC

- **Channel Separation**: More than 25 db at 1,000 Hz

- **Channel Balance**: Output from each channel within 2 db

- **Stylus**: N7SE Elliptical with diamond tip
  - 0.0007 inch (17.8 microns) frontal radius
  - 0.0002 inch (5 microns) side contact radius
  - 0.0010 inch (25 microns) wide between record contact points

- **Tracking Force**: ¾ to 1½ grams

- **Recommended Load Impedance**: 47,000 ohms (per channel)

- **Inductance**: 720 millihenries

- **D.C. Resistance**: 630 ohms

- **Terminals**: 4 terminals

- **Weight**: 6 grams

**MODEL M75E Hi-Track Cartridge**

- **Price**: $39.95

- **NO Mounting**

**MODEL M91E Elliptical Replacement Stylus**

- **Price**: $24.95
The trackability charts for each of these cartridges tell you that they are truly from the new generation of cartridges that deliver high trackability at light tracking forces—yet they are surprisingly modest in cost. Each also includes a retractile stylus to prevent record damage, and Bi-Radial Elliptical Stylus configuration. Manufactured and tested under Shure’s critical quality control program.

**SPECIFICATIONS FOR M92E & M92G**

**M92E**
- **Hi-Track Elliptical**
  - 3/4 to 1 1/2 grams tracking
  - $44.95

**M92G**
- **Hi-Track Spherical**
  - 3/4 to 1 1/2 grams tracking
  - $39.95

An outstanding performer in turntables that track in the 1 1/2 to 3 gram range.

**NEW! EASY-MOUNT DESIGN**

New clip-on easy-mount design cuts cartridge mounting time in half. First you mount the specially designed retaining clip in the tone arm head—there’s plenty of room for your fingers and screwdriver. Then you connect your leads and simply snap the cartridge into the retaining clip. Alignment is positive and precise. Stylus replacement is greatly simplified, too.

**M93E**
- **Hi-Track Elliptical**
  - 1 1/2 to 3 grams tracking
  - $39.95

**M93E**
- **Hi-Track Spherical**
  - 1 1/2 to 3 grams tracking
  - $39.95

**SPECIFICATIONS FOR M93E**

**TRACKABILITY CHART**

- Inductance: 720 millihenries
- D.C. Resistance: 630 ohms
- Mounting Snap-in type: standard
- Mounting centers: 1/2" (12.7 mm)
- Mounting contacts: 4 terminals
- Weight: 6 grams
- Tracking Force: 3/4 to 1 1/2 grams

**MODEL M93E Hi-Track Cartridge**
- Replacement Stylus:...
- $22.50

**MODEL M92E**
- **Hi-Track Spherical**
  - 3/4 to 1 1/2 grams
  - $22.50

**MODEL M92G**
- **Hi-Track Spherical**
  - 3/4 to 1 1/2 grams
  - $19.50

**MODEL M93E Hi-Track Cartridge**
- Replacement Stylus:...
- $19.50
about the bi-radial stylus

One of the most dramatic improvements in cartridge stylus design in years. The Bi-Radial elliptical stylus closely matches the shape of the cutter stylus that cuts the master record. Actual side contact radius is only .0002 inch (5 microns) or .0004 inch (10 microns). Frontal radius is .0007 inch (17.8 microns) so stylus cannot "bottom" in record groove. Lowers 1M, harmonic and tracing distortion to virtual insignificance. In addition to audible improvement of stereo recordings, gives monophonic records a new vitality and clarity. Standard on V-15 Type II, M91E, M92E, M93E, M75E, M55E, M44E, M31E, M31E cartridges and M80E DI9, Gard A Mate cartridge assembly.

for 3/4 to 1 1/2 grams tracking

BI-RADIAL
ELLIPTICAL STYLUS
CARTRIDGES

A popular cartridge that gives professional performance within a moderate budget. Incorporates Bi-Radial elliptical stylus. Note the wide variety of features and impressive specifications:

SPECIFICATIONS

Frequency Response: From 20 to 20,000 Hz
Output Voltage: 6.6 millivolts per channel at 1,000 Hz at 5 CM/SEC
Channel Separation: Normally over 25 db at 1,000 Hz
Channel Balance: Output from each channel within 2 db
Compliance: Horizontal: 25.0 x 10^-5 CM/dyne
Vertical: 10.0 x 10^-5 CM/dyne
Effective Stylus Tip Mass: 1.2 milligrams
Tracking Force: 3/4 to 1 1/2 grams

for 2 1/2 to 5 grams tracking

for heavier tracking forces: 1 1/2 to 4 grams

Now... the Bi-Radial elliptical stylus in a new series of moderately priced cartridges. The M31E is specifically designed for light tracking turntables and changers—the M32E for moderately priced changers.

SPECIFICATIONS

Frequency Response: Model M31E from 20 to 14,500 Hz Model M32E from 20 to 17,500 Hz
Output Voltage: Model M31E 10.0 millivolts per channel at 1,000 Hz at 5 CM/SEC Model M32E 9.0 millivolts per channel at 1,000 Hz at 5 CM/SEC
Channel Separation: More than 25 db at 1,000 Hz
Compliance: Horizontal: 15.0 x 10^-5 CM/dyne Vertical: 7.0 x 10^-6 CM/dyne
Weight: 6 grams
Mounting: Standard 1/2" (12.7 mm) mounting centers
Stylus: Model N31E For cartridge M31E. Elliptical shaped diamond tip:
.0007 inch (17.8 microns) frontal radius .0004 inch (10 microns) side contact radii .0010 inch (25 microns) between points of contact with groove
Recommended Load Impedance: 47,000 ohms per channel
Inductance: 720 millihenries
D.C. Resistance: 650 ohms
Terminals: 4 terminals

All the advantages of a Bi-Radial elliptical stylus (.0004 inch side contact radii, .0007 inch frontal radius) for older turntables that track at heavier weights. Specifications similar to above, except compliance is 15.0 x 10^-5. Effective stylus tip mass is 1.4 milligrams. Output is 9.3 mv per channel at 1,000 Hz at 5 CM/SEC, and tracking force is 1 1/2 to 4 grams.

MODEL M31E Cartridge ................... $29.95
MODEL M32E Cartridge ................... $29.50
MODEL N31E Stylus ................... $14.50
MODEL N32E Stylus ................... $14.50
Spherical Stylus Cartridges

Three cartridges in the $18.00 to $22.00 price range to fill the needs of the hobbyist who wants the most for his money in this price range. All have received ample critical acclaim as the best in their price class. Note: All M44 series styli are interchangeable.

**SPECIFICATIONS**

- **Frequency Response:** From 20 to 20,000 Hz
- **Output Voltage:** At 1,000 Hz at 5 C.M.F.E.
- **Model M44-3:** 7 millivolts per channel, Model M44-5: 11 millivolts per channel, Model M44C-7: 9.5 millivolts per channel
- **Channel Separation:** More than 25 db at 1,000 Hz
- **Recommended Load Impedance:** 45,000 ohms per channel
- **Inductance:** 720 millihenries
- **D.C. Resistance:** 630 ohms
- **Terminals:** 4 terminals

**All-time best seller**

**MODEL M3D**

Where cost is the dominant factor, the M3D provides extremely musical and transparent forces from 3 to 6 grams. For any changer. Three cartridges in the $18.00 to $22.00 changeable.

**Output Voltage:** At 1,000 Hz at 5 C.M.F.E.

**Channel Separation:** More than 25 db at 1,000 Hz

**Recommended Load Impedance:** 45,000 ohms per channel

**Inductance:** 720 millihenries

**D.C. Resistance:** 630 ohms

**Terminals:** 4 terminals

**Weight:** 7 grams

**Mounting:** Standard 3/4" (12.7 mm) mounting posts

**For Light Tracking 3 to 6 Grams**

MODEL M44-5 Cartridge, With .0005-inch radius spherical diamond stylus...

MODEL M44-7 Cartridge, With .0007-inch radius spherical diamond stylus...

**For Heaviest Tracking 1 1/2 to 3 Grams**

MODEL M44-7 Cartridge, With .0007-inch radius spherical diamond stylus...

MODEL M7/N21D Cartridge...

**For Heaviest Tracking 3 to 5 Grams**

MODEL M44-7 Cartridge, With .0007-inch radius spherical diamond stylus...

MODEL M7/N21D Cartridge...

**For Heaviest Tracking 5 Grams**

MODEL M44-7 Cartridge, With .0007-inch radius spherical diamond stylus...

**For Heaviest Tracking 7 Grams**

MODEL M7/N21D Cartridge...

**For Heaviest Tracking 10 Grams**

MODEL M7/N21D Cartridge...

**For Heaviest Tracking 15 Grams**

MODEL M7/N21D Cartridge...

**For Heaviest Tracking 20 Grams**

MODEL M7/N21D Cartridge...

**Top-rated cartridge featuring the highly compliant N21D tubular stylus. Because of unusually clean mid-range (where most music is heard), this highly recommended, if your present system sounds muddy. For 2 gram optimum tracking force to be used over 25 grams.**

MODEL M7/N21D Cartridge...

MODEL M7/N21D Cartridge...

**Also, if you own an M44 or M7D, you can upgrade it for higher compliance, if tracking force does not exceed 2 1/2 grams, with the N21D stylus.**

**SPECIFICATIONS**

- **Frequency Response:** From 20 to 20,000 Hz
- **Output Voltage:** 6.6 millivolts per channel at 1,000 Hz at 5 C.M.F.E.
- **Channel Separation:** Nominally over 25 dB at 1,000 Hz
- **Compliance:** 25 x 10^-6 cm/force
- **Effective Stylus Tip Mass:** 1.2 milligrams
- **Dimensions:** Elliptical shaped diamond tip: .0007 inch (17.8 microns) frontal radius, .0002 inch (5 microns) side contact radius, .0001 inch (25 microns) contact radius
- **Output Voltage:** 6.6 millivolts per channel at 1000 Hz
- **Frequency Response:** From 20 to 20,000 Hz
- **Recommended Load Impedance:** 47,000 ohms
- **Inductance:** 720 millihenries
- **D.C. Resistance:** 630 ohms

**MODEL M80E-D19**

**For Bounce-Proof Scratch-Proof Record Protection**

For Dual 1019, 1019 SK and 1009 F

Model M80E-D19 Gard-A-Matic assembly is a high quality Bi-Radial elliptical stylus stereo cartridge mounted in a retractile safety suspension system to prevent stylus scratch and bounce in high quality turntables. When the maximum force of 1 1/2 grams is exceeded, the cartridge retracts and a plastic safety bumper comes in contact with the surface of the record, protecting the record from the needle, and the needle itself from damage.

**SPECIFICATIONS**

- **Frequency Response:** From 20 to 20,000 Hz
- **Output Voltage:** 6.6 millivolts per channel at 1,000 Hz at 5 C.M.F.E.
- **Channel Separation:** Nominally over 25 dB at 1,000 Hz
- **Recommended Load Impedance:** 47,000 ohms
- **Inductance:** 720 millihenries
- **D.C. Resistance:** 630 ohms

**GENUINE SHURE REPLACEMENT STYLI**

**CHECK YOUR SHURE STYLUS PERIODICALLY**

True, it's unfortunate...and unfortunately, it's true: the diamond tip of ANY high fidelity stylus eventually wears out. Some sooner, some later. The best lightweight tracking force cartridges (* to 1 1/2 grams) are designed to produce an elliptical stylus in place of a conical stylus for reduction of FM and harmonic and tracking distortion. Here are some examples of improvements: M3D or M7D...Substitute N21D stylus for greater compliance, lighter tracking (at 3 1/2 to 4 1/2 grams). For tracking at 3 1/2 to 4 grams use the N2 stylus. For tracking at 1 1/2 to 2 grams use the N1 stylus.

**REPLACEMENT DIAMOND STYLUS FOR OLDER SHURE CARTRIDGES**

**MODEL N1 Stylus**

.0007" spherical tip radius, Fits M1 cartridge...

MODEL N2 Stylus

.0007" spherical tip radius, Fits M2 cartridge...

MODEL N32-3 Stylus

.0025" spherical tip radius, Fits M31E cartridge...

MODEL N33-1 Stylus

.001" spherical tip radius, Fits mono L.P.'s...

MODEL N33-7 Stylus

.0007" spherical tip radius, Fits M33 and M77 cartridges...

MODEL N73-5 Stylus

.0005" spherical tip radius, Fits M33-5 cartridge...

MODEL N77 Stylus

.0007" spherical tip radius, Fits M77 cartridge...

MODEL N78 Stylus

.00027" spherical tip radius, Fits 78 RPM stereo records...

MODEL VN2E Stylus

Bi-radial elliptical tip, Fits V-15 Type I...

**STYLI FOR 78 RPM CARTRIDGES**

If you have a large collection of 78 RPM records, you can equip the M51E, M52E, any M44 series cartridge, M55E, M555 series, M91, M92, and M93 series, or V-15 Type II cartridges with a special stylus for 78 RPM records.

**MODEL N32-3 Stylus**

.0025" spherical tip radius, Fits the M31E...

**MODEL N44-3 Stylus**

.0025" spherical tip radius, Fits any M44 series, and the M55E cartridge...

**MODEL N75-3 Stylus**

.0025" spherical tip radius, Fits the M75, M91, M92, M93 series and V-15 Type II cartridges...

**Gard-A-Matic® CARTRIDGE/HEAD ASSEMBLY**

Combines quality and economy

**SHURE**

**M44 SERIES**

**MODEL M80E-D19**

For Bounce-Proof Scratch-Proof Record Protection

For Dual 1019, 1019 SK and 1009 F

Model M80E-D19 Gard-A-Matic assembly is a high quality Bi-Radial elliptical stylus stereo cartridge mounted in a retractile safety suspension system to prevent stylus scratch and bounce in high quality turntables. When the maximum force of 1 1/2 grams is exceeded, the cartridge retracts and a plastic safety bumper comes in contact with the surface of the record, protecting the record from the needle, and the needle itself from damage.
Shure Tone Arms

Shure-SME Series II
"the best pickup arm in the world"

The Shure-SME Series II, the ultimate in independent tone arms, provides features and quality unattainable in any other tone arm. Manufactured to singularly close tolerances and standards by skilled British craftsmen. Utterly accurate adjustments are provided for every critical factor relating to perfect tracking, such as height, overhang, length, tracking force and bias (anti-skating). These arms accept cartridges weighing 3 to 17 grams and allow tracking forces from 1/4 of a gram to 5 grams to be used. Because the Shure-SME tone arms realize the full potential of the cartridge and the record, they are especially suited for use in combination with any Shure cartridge. Highly recommended for use in the very finest component high fidelity systems.

Some of its many features include:
- Virtually frictionless knife-edge bearings
- Wood-lined arm puts resonances outside recorded range
- Effective "anti-skating" bias adjuster counterweight
- Hydraulic cueing device

SHURE PROFESSIONAL TONE ARM

A quality arm at an unexpectedly low price. Full range of adjustments for static and dynamic balance, cartridge overhang, arm height, etc. Exceptionally easy to install from the top of the motorboard.

MODEL M232 for 12" recordings ................................ $29.95
MODEL M236 for 16" recordings ................................ $31.95
MODEL A23H extra plug-in head ............................... $2.40

Shure Solo-Phone® Headphone Amplifiers

MODEL SA-1 FOR USE WITH THE SOUND SYSTEM OF YOUR CHOICE

The SA-1 was specifically designed for private headphone listening. The Solo-Phone is a small, all-transistor pre-amplifier/amplifier, that will deliver the depth and "presence" of high fidelity stereo—in private—from whichever sound source you choose to connect to it: record player, tape recorder or AM-FM tuner. True-to-performance sound is assured by its broad frequency response and exceptionally low distortion, including the difficult low frequencies. Handsome walnut finish with beige face plate.

VERSATILE...

Tape, record changer or tuner...you can easily vary the sound source. You also can use the Solo-Phone amplifier with one or two sets of headphones, or even with high efficiency speakers, for low-volume background music. Each stereo channel can be adjusted separately to achieve proper balance. U.L. listed for commercial applications. Weighs just 2 lbs.

MODEL SA-1 SOLO-PHONE AMPLIFIER
105-125 V., AC, 100 x 3½ x 3½. Less Headphones. Only $45.00

MODEL SA-1P SOLO-PHONE FOR PANEL MOUNTING, Less Headphones .................................................. $47.00

For additional information on Shure Solo-Phones, write for complete catalog No. AL291A.

SA-10 COMPLETE SELF-CONTAINED SOLO-PHONE SYSTEM

An exciting new concept in superior-quality, private high fidelity listening. It is a completely self-contained record playing system that combines a Garrard Model 50 4-speed automatic turntable with a Shure all-transistor Solo-Phone amplifier and Shure M44C Dynetic Cartridge.

Plug in one or two sets of headphones and you can listen to your favorite recordings or language lessons...without disturbing others.

Easy to set up and to use. Simply plug it into a wall outlet, plug in your headphones and you’re ready to enjoy! It will play 16, 33 1/3, 45 and 78 r.p.m.; 7", 10" or 12" records; stereophonically or monophonically. Only three controls: "on-off," volume and turntable speed selector. And you can adjust each stereo channel separately to achieve proper balance.

MODEL SA-10 SOLO-PHONE SYSTEM: 105-125 V., AC, 100 x 3½ x 3½. Only $99.95

MODEL SA-10M SOLO-PHONE SYSTEM WITH 4-SPEED MANUAL TURNTABLE .................................................. $99.95

FOR ADDITIONAL INFORMATION ON SHURE SOLO-PHONES, write for complete catalog No. AL291A.

Shure Brothers, Inc.
222 Hartrey Ave., Evanston, Illinois 60204

Printed in U.S.A.

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