**DATA SHEET**

**STEREO DYNETIC®**

**PHONOGRAPH CARTRIDGE**

### SPECIFICATIONS

#### M75 TYPE 2 CARTRIDGE AND N75 TYPE 2 STYLUS SERIES

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Diamond Stylus Replacement</th>
<th>Output Voltage (1,000 Hz at 5 cm/sec)</th>
<th>Stylus Grip Color</th>
<th>Tracking (Grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M75E TYPE 2</td>
<td>N75E TYPE 2 (E T2) Elliptical Side Contact Radius: .0027&quot; (.068 mm) Frontal Radius: .0007&quot; (.018 mm)</td>
<td>5.0 millivolts</td>
<td>Yellow</td>
<td>½ to 1½</td>
</tr>
<tr>
<td>M75G TYPE 2</td>
<td>N75G TYPE 2 (G T2) Radius: .0006&quot; (.015 mm)</td>
<td>5.0 millivolts</td>
<td>Dark Gray</td>
<td>½ to 1½</td>
</tr>
<tr>
<td>M75EJ TYPE 2</td>
<td>N75EJ TYPE 2 (EJ T2) Elliptical Side Contact Radius: .0004&quot; (.010 mm) Frontal Radius: .0007&quot; (.018 mm)</td>
<td>5.0 millivolts</td>
<td>Light Green</td>
<td>1½ to 3</td>
</tr>
<tr>
<td>M75-6 TYPE 2</td>
<td>N75-6 TYPE 2 (E T2) Radius: .0006&quot; (.015 mm)</td>
<td>5.0 millivolts</td>
<td>Beige</td>
<td>1½ to 3</td>
</tr>
<tr>
<td></td>
<td>N75-3, * Radius: .0025&quot; (.064 mm)</td>
<td>6.2 millivolts</td>
<td>Green</td>
<td>½ to 3</td>
</tr>
</tbody>
</table>

* The N75-3 stylus may be used to reproduce the standard 78 rpm records. In this case, the amplifier should be set to “Monaural” or “A+B.”

#### TRACKABILITY:

- **M75E TYPE 2** at a stylus force of 1 gram
- **M75G TYPE 2** at a stylus force of 1 gram
  - 400 Hz. — 20 cm/sec
  - 1,000 Hz. — 28 cm/sec
  - 10,000 Hz. — 18 cm/sec

- **M75-6 TYPE 2** at a stylus force of 2 grams
- **M75EJ TYPE 2** at a stylus force of 2 grams
  - 400 Hz. — 28 cm/sec
  - 1,000 Hz. — 35 cm/sec
  - 10,000 Hz. — 20 cm/sec

Higher stylus forces within specified range improve trackability.

#### FREQUENCY RESPONSE:

From 20 to 20,000 Hz (cps)

#### CHANNEL SEPARATION:

More than 25 db at 1,000 Hz (cps)

#### RECOMMENDED LOAD IMPEDANCE:

47,000 ohms per channel

#### INDUCTANCE:

720 millihenries

#### D.C. RESISTANCE:

630 ohms

#### MOUNTING:

Standard ½” (12.7 mm) mounting center

#### WEIGHT:

6 grams

#### TERMINALS:

4 terminals

#### GENERAL:

The M75 TYPE 2 Series of High Trackability Dynetic phonograph cartridges has been developed for use with all high fidelity amplifiers having magnetic and constant velocity inputs.

#### SHURE-SME MOUNTING INSTRUCTIONS:

To mount the M75 in the Shure-SME Precision Pickup Arm, Model 3009 and 3012, refer to the paragraphs on Cartridge Installation and Balancing in the instruction Manual supplied with the pickup arms.

#### OPERATION:

Recommended needle forces for optimum results are listed under “Specifications.” Forces greater than the indicated “maximum” should not be used.
CONNECTIONS

4-LEAD STEREO CONNECTION: Connect "hot" lead of right channel to terminal "R" and shield or ground lead of right channel to terminal "RG." Connect "hot" lead of left channel to terminal "L" and shield or ground lead of left channel to "LG." To prevent "ground loops" and hum, no common connection should be used at cartridge terminals.

MONOaural CONNECTION: For single channel reproduction of MONOaural or Stereo recording, connect "hot" lead to Both "CR" and "LR" terminals and connect ground or shield lead to both ground terminals marked "RG" and "LG."

Suggestions for Cleaning Your Stylus

To clean the stylus, use a camel's-hair brush (No. 2 size or smaller) dipped lightly in alcohol. The alcohol will remove any dirt. Then wipe with a clean dry cloth.

Terminal Diagram

To prevent "ground loops" and hum, no common connection should be used at cartridge terminals.

CAUTION: Do not make solder connections to cartridge terminals. Make all solder connections to terminal jacks provided before slipping them over the terminals.

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Figure 1

LEFT CHANNEL TERMINAL CONNECTIONS

LEFT CHANNEL GROUND TERMINAL

RIGHT CHANNEL TERMINAL GROUND TAB

GROUND TO CASE

Figure 2

EASY STYLUS REPLACEMENT

Grasp molded housing of stylus between thumb and forefinger. Grasp stylus by pushing forward out of cartridge. Grasp replacement stylus between thumb and forefinger and insert into stylus socket. Press stylus into socket until the molded housing of the stylus mates with the cartridge case. Care must be taken not to allow the finger to slip off and 3/4 inch. Always brush the stylus with a forward movement from the rear (terminal end of the cartridge) to the front. Never brush or wipe the stylus from front to back or side to side. Never brush the stylus with a forward movement from the rear (terminal end of the cartridge) to the front. Never brush or wipe the stylus from front to back or side to side.

CAUTION: Do not make solder connections to cartridge terminals. Make all solder connections to terminal jacks provided before slipping them over the terminals.

LABORATORY TEST FINDINGS: (Note: The following stylus terminals found in the Shure N3D Stereo cartridges are an illustration of the close scrutiny Shure pays to all its products.) Shure laboratory tests show that the imitation stylus assemblies used in these cartridges are the most critical component. To maintain the original performance standards of your cartridge, be certain that any replacement stylus you buy bears the following certification on the package: "This Stereo Dynetic stylus is precision manufactured by Shurc Brothers, Inc.

Avoid inferior imitations. They will seriously degrade the performance of your cartridge. All genuine "Dynetic" styli are manufactured by Shurc Brothers, Inc.

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Avoid inferior imitations. They will seriously degrade the performance of your cartridge. All genuine "Dynetic" styli are manufactured by Shurc Brothers, Inc.

CONCLUSION: Obviously, if any imitation Dynetic Stylus is used, we cannot guarantee that the performance of Shure Dynetic cartridges will meet the published Shure specifications. Accept no substitute.

The Stereo Dynetic Cartridges and Stereo Dynetic Stylus are guaranteed to be free from electrical and mechanical defects for one year from the date of shipment from the factory, provided all instructions are complied with fully. The Guarantee does not cover stylus wear, nor does it cover damage to the stylus assembly from abuse or mishandling.

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PATENT NOTICE: Manufactured under U. S. Patents 2,955,988, 3,077,521, and 3,077,522. Other patents pending.

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