

SUBJECT: The NEUMANN Model DST Double-Dynamic Stereo Cartridge

This cartridge was designed by NEUMANN specifically for calibration purposes in the development of the world's first vectoral system of stereo-phonetic disk recording, now known as the TELDEC Stereo Cutting System (45/45).

It was not intended that the DST Cartridge ever be sold on the open market, and only through this company's efforts has it been possible to bring a limited number of these units into the country. Present production stands at 40 units per month.

The mounting of these cartridges is such that they will only fit playback arms of the European standard such as ORTOFON, ESL, or the NEUMANN PA-2 playback turntable which is described elsewhere. When the cartridge is to be mounted in the ESL or ORTOFON arm, a special four-contact insert and insert holding clip must be ordered under the number "Z-15". It is instantly installable by anyone.

The NEUMANN DST Double-Dynamic Stereo Cartridge is the only available unit with five contacts: two each for right and left output (balanced) and a locating key contact which carries the cartridge frame and magnet ground.

ELECTRICAL CHARACTERISTICS:

Frequency Response:	± 2 db from 30 - 15,000 cycles/second.
Channel separation:	> 25 db in the mid range; > 12 db full range.
Source impedance:	18 ohms
Input matching impedance:	> 50 ohms
Sensitivity:	0.15 mV/cm/sec.

MECHANICAL CHARACTERISTICS:

Compliance:	3.6×10^{-6} cm/dyne
Tracking force:	6.5 gram
Stylus radius:	0.6 mil
Stylus material:	Diamond (made in Switzerland)
Weight:	1.1 ozs.
Dimensions:	3/4" x 1 3/16" x 1 5/8"

APPLICATION:

Since the output of this cartridge is, of necessity, low; a fact which contributes to its response characteristics by lightening the moving assembly - it is recommended that an input transformer of highest quality be used where no low-impedance input is available. A turns ratio of 15:1 is sufficient to bring the level even above that usually found in other cartridges. We recommend the BEYER Type TR-145/15 unit with a primary connection for 50 ohms. This unit is available from your dealer at \$ 11.20 each (two required for stereo).

The NEUMANN DST Stereo Cartridge is highly recommended for both monophonic as well as stereo listening. Its monophonic characteristics do NOT constitute a compromise.

PRICE: \$ 69.00 consumer net.