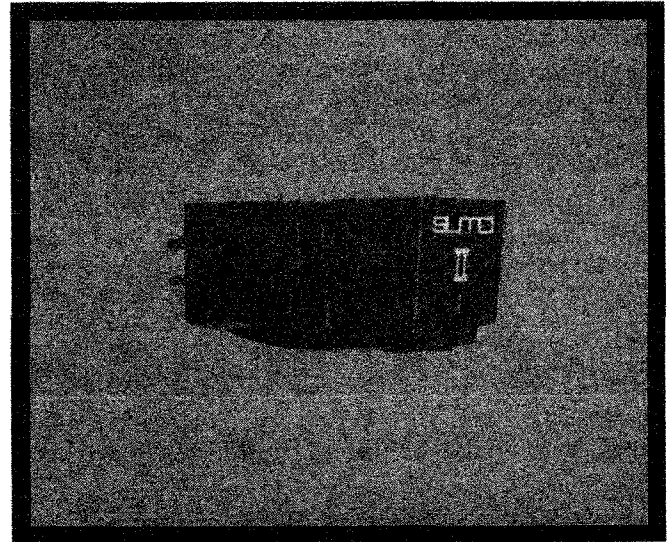


# The SUMO II

## ATTENTION SUPER AUDIOPHILES!

Long hours stirring formulas in a caldron, over hot coals, is not SUMO's method for developing its equipment. Our new moving-coil cartridge superbly illustrates the results of considerable scientific research, evaluation and the ultimate ear test. We listen carefully and critically because sound is what we are after--clear, "natural-ingredients-only" sound.

Examine our products. The FDA would approve. We deal in natural sound. "To your health!"



## FEATURES

### ● Specially tapered aluminum alloy cantilever

Many were tried, including Beryllium Oxide, etc., however we found that the tapered aluminum cantilever had the LEAST amount of torsional resonances--a big problem in previous designs.

### ● Optimum mass

It is easy to understand that there must be an optimum area of mass. A cartridge could be too heavy or too light. However, we have found that the optimum area of mass which enables the cartridge to work properly in all low and medium mass areas is approximately 5-6 grams. Most high quality cartridges satisfy this requirement.

### ● Mechanical "Q"

After much experimentation, we have situated the coil assembly to suspension ratio so that the absolute lowest mechanical "Q" can be obtained. This results in a perfectly balanced cantilever assembly, which has an absolute minimum of ringing when subjected to high velocity accelerometer tests. This insures an absolute minimum of torsional resonances, which means low coloration. This problem has been the primary cause of most previous moving coil cartridges which have displayed a rising response in the high frequencies.

### ● Optimum stylus geometry

The stylus is elliptical with a size of .2 mil X .6 mil. After much experimental work, it has been found that this shape is optimum in order to provide the lowest amount of groove noise and chatter while maintaining tracking ability in the inner grooves.

## SPECIFICATIONS

Type.....	Moving coil
Cantilever.....	Aluminium alloy tapered pipe
Magnet.....	High density ferrite
Frequency response.....	20~20KHz ± 1dB
Output voltage.....	0.1mV (1kHz, 5cm/sec.)
Channel balance.....	0.6dB
Channel separation.....	27dB (1kHz)
DC resistance.....	16.0 Ohms
Impedance.....	16.0 Ohms
Compliance.....	36 X 10 (cm/dyne, Vertical)
.....	13X 13 X 10 (cm/dyne, 100Hz)
Stylus force.....	1.8~2.0g
Stylus tip.....	0.3 X 0.7 mil, elliptical
Gross Weight.....	5.6g
Mounting distance.....	½" (12.7mm)
Output terminal pin diameter.....	1.2mmø
Vertical angle.....	20°
Load resistance.....	1000 Ohms minimum

**S U M O**  
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