MCP 100 Super Higher Output Moving Coil Cartridge





No P-mount tonearm can afford to be without one!

Ever since Ortofon introduced the world's first moving coil cartridge back in 1948, it has been accepted that the finest sound reproduction comes from this type of pick-up.

But this higher quality has always gone hand-in-hand with greater expense. Because buying a moving coil cartridge has entailed an extra outlay on a transformer or pre-preamplifier to boost the moving coil's lower voltage outputs.

Until now.

And the new Ortofon MCP 100 Super. With this cartridge we have succeeded in producing a moving coil cartridge that has all the quality traditionally associated with the Ortofon name ... but has no need for a step-up device. And what's more, MCP 100 Super has been specifically designed for all tonearms with Pmount systems.

The moving coil principle

Moving coil cartridges are based on the use of twin coils of microscopically fine wire (one for each stereo channel), acting as miniaturised power generators. Each generating its own electrical current as it moves within a magnetic field.

Ortofon use a patented construction method (as shown in our illustration), which allows the coils to adopt two positions.



In neutral, the coil is by-passed by the magnetic field and no signal is generated. But when the stylus and cantilever shift into the second position, the coil contacts the magnetic field and a signal is induced.

So, as the stylus traces the record's grooves, the variations in its movement are transmitted to the coils via the cantilever. The coils are then moved from their neutral position, cutting the lines of force between the magnetic poles and producing tiny voltages.

These voltages are replicas of the signals placed in the groove when the record was cut. And it is because the moving coil principle is also used in this cutting, that the most accurate reproduction of the signals is achieved by the same method.

MCP 100 Super Higher Output Moving Coil Cartridge As a result, the cross-sectional area.

The higher output MCP 100 Super (0.1 mV or less). Necessitating the use of additional amplification. But by increasing the number of

to-date amolfier with a built-in MC

MCP 100 Super possible

Previous attempts at putting more windings on a moving coll, while input, have also increased its mass.

been able to keep a low equivalent The first is a new armsture, which was originally designed for Ortofon's state-of-the-art Ortophase* MC 2000. This new armature has been

Technical Data

Type of stylus

Frequency response

Tracking force range

colls, improving channel balance 90° to each other dust like the walls

200 a magnetic system, consisting

bility. This also prevents internal resonances which in turn permits cleaner high frequency response). entire frequency range. The result

weighs 6 grams and operates with Finally, its highly polished, pure Elip-

Ortoton's linear phase technology. as linear as possible: therefore.

MCP 100 S

Dietical

If additional amplification is required, the answer might be the

offers onen and niessant sound re-



mono transformers. Used together Ortofon moving colls), it has a pain +1 risk voyers the suditie range adphono plue, and connects directly

The T.S. transformer can be used to

20-20-000 Hz

Equivalent stylus tip mass Outrodiscitage at 1000 Hz per 5 cm/sec Channel separation at 1000 Hz Compliance static, vertical lateral (ICHo Tracking ability at 315 Hz lateral Vertical tracking angle

125150 >60 µm

DK-2500 Copenhagen Valby,