A95 Moving Coil Cartridges

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A95 years Anniversary

Improving on perfection

Ortofon is proud to launch the MC A95, a world class moving coil cartridge to commemorate the 95th anniversary of Ortofon's technical leadership in the audio industry.

With the MC A95, the bar is raised for its predecessor, the MC A90. The MC A95 not only celebrates the past 95 years of Ortofon, first and foremost it also makes history by significantly raising the standards by which sound reproduction is measured, making it a celebration of sound itself.

The new Ortofon MC A95 has gone to the next level by reducing unwanted vibrations and increasing the dynamic capability of the cartridge. Our extensive knowledge of vibration properties, characteristics in different shapes and materials, competences in magnetism, mechanical design and new technologies has been applied for optimization of the MC A95.

Those who choose to adopt the MC A95 will experience the lifelike, open sound, with exceedingly clear midrange for a presentation that is unparalleled. The MC A95 remains extremely musical while paying close attention to micro dynamic details, with its delicate, but also analytical nature. Lovers of music will take note of a truly organic and encapsulating experience which transcends the boundaries of recording and undeniably blurs the distinction between what is live and what is recorded.

Benefits of high-end materials and advancements in technology

The housing of the cartridge is made of Titanium, using our famed SLM manufacturing technique which was pioneered by Ortofon during the manufacturing of the MC A90, SPU A90, Xpression, MC Anna and SPU A95 cartridges.

Considered an engineering breakthrough, the Selective Laser Melting process welds fine particles of Titanium together, layer-by-layer, to construct a single piece body devoid of extraneous material. This technique allows for precise control of the density of the body material, allowing for extremely high internal damping. The final result provides freedom over vibrations within the cartridge body material. The use of Titanium has provided a further improvement to the internal damping capabilities as well as to the overall rigidity of the structure.

The magnet system is based on an extremely strong, compact neodymium magnet, which makes the generator system both compact and lighter through its minimal dimensions.

Using Ortofon's Aucurum coils of gold-plated, 6NX oxygen free copper allows for zero-loss transmission of the diamond's movements via its boron cantilever. This combination combines low moving mass with an extremely high degree of rigidity.

A specially designed armature is used to achieve extreme precision in each coil turn in all layers. This enables the MC A95 to achieve a higher degree of channel separation, while simultaneously offering lower distortion and better channel balance. The armature is made in a metal alloy which is much less magnetic than normal iron, which boosts the dynamic capability of the cartridge.

Coil wire protection has been constructed from our special high damping proprietary TPE (Thermo-Plastic Elastomer) material, which enhances the total damping properties of the cartridge.

Increase in dynamics, resolution and richness in detail

Ortofon's Field Stabilizing Element, a small cylinder of conductive material strategically placed inside the magnet system, guarantees that the force field remains stable regardless of the movement of the armature. FSE improves the channel separation, while at the same time minimizing dynamic distortion and intermodulation. The result: fantastic dynamics and even more elbow room between the musicians. You simply experience more drama and greater breadth, height and depth in the sound scenario.

Adding to the list of important components is Ortofon's Wide Range Damping (WRD) system. In this system, a small, heavy platinum disc is sandwiched between two rubber absorbers, both with different properties. This ensures not only an exceptional tracking performance, but also creates a perfect damping through the entire frequency spectrum. Because of this, distortion and resonance are virtually eliminated entirely.

The WRD system is one significant reason why the MC A95, while achieving the most linear frequency response and the highest upper frequency limit ever, at the same time tracks an impressive 90 µm at a vertical tracking force of 2.3 grams.

As in the former MC A90, MC Windfeld, Xpression and MC Anna cartridges, the MC A95 makes use of Ortofon's Replicant 100 diamond, known for its thin and light profile and extraordinarily large contact surface. Since the Replicant 100 is closest to the shape of the cutting stylus, it can trace with accuracy unparalleled by any other needle in existence. Special polishing of the diamond along with the use of a Boron cantilever offer remarkable transparency, speed and responsiveness beyond that of any other combination.

Flexibility and performance with a range of compatibility

With optimal weight and compliance to suit the vast majority of modern tonearms, the MC A95 is easily compatible with a seemingly endless array of modern contemporary high-end turntable equipment.

Low internal impedance makes the MC A95 less sensitive to load and therefore ensures compatibility with the Ortofon ST-80 SE transformer, as well as with the widest range of preamps and transformers.

By combining the utilization of the SLM process, our patented WRD system and zero-resonance spikes, we are confident that the perfect mechanical integration of this cartridge with your tonearm will result in a significant and breathtaking increase in dynamics, resolution, and richness in detail.

The MC A95 will undoubtedly provide sound which is literally unsurpassed and simply has to be experienced. Of course, aesthetically, the MC A95 has a distinctive, elegant design which makes no compromises.

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Ortofon MC A95 product sheet 11-14/9990216

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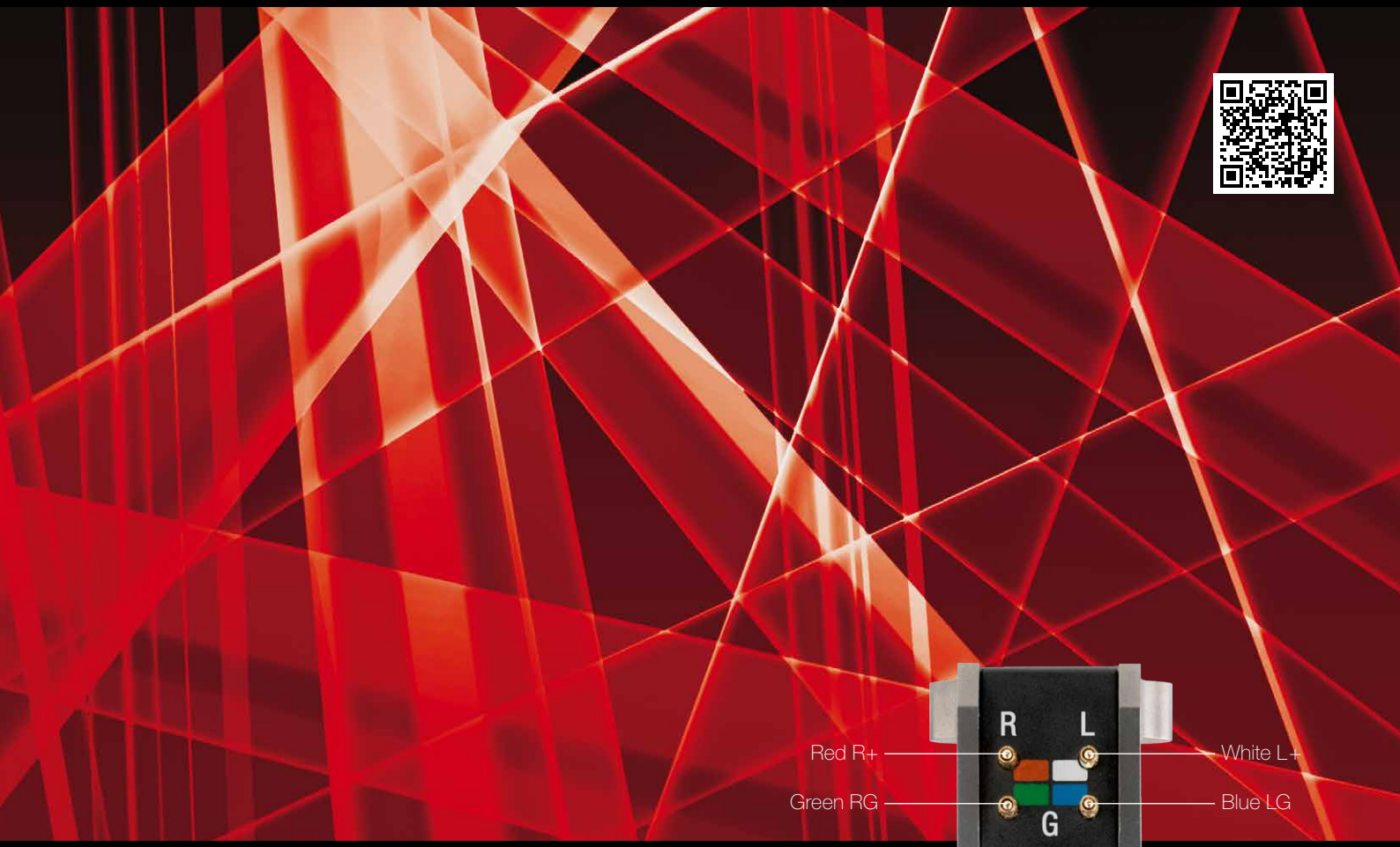

Technical Data

Output voltage at 1 kHz, 5cm/sec.	0,2 mV
Channel balance at 1 kHz	< 0,5 dB
Channel separation at 1 kHz	> 25 dB
Channel separation at 15 kHz	> 22 dB
Frequency range at - 3dB	10 Hz - 50 kHz
Frequency response	20 Hz - 20 kHz + 2 dB / - 1 dB
Tracking ability at 315 Hz at recommended tracking force	90 µm
Compliance, dynamic, lateral	13 µm/mN
Stylus type	Special polished Nude Ortofon Replicant 100 on Boron Cantilever
Stylus tip radius	r/R 5/100 µm
Tracking force range	2,0-2,5 g (20-25 mN)
Tracking force, recommended	2,3 g (23 mN)
Tracking angle	23°
Internal impedance, DC resistance	7 Ohm
Recommended load impedance	> 10 Ohm
Coil wire material	Aucurum
Cartridge body material	SLM Titanium
Cartridge colour	Silver
Cartidge weight	6 g

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