



ART9XA

Dual Moving Coil Stereo Cartridge (Non-Magnetic Core)

Overview:

An update to the AT-ART7, the AT-ART9XA non-magnetic core MC cartridge features a Shibata stylus on a boron cantilever and an Audio-Technica Reference Transducer (ART), a component used only in our premium cartridges. Compared with the magnetic core used in most MC cartridges, non-magnetic core cartridges feature no magnetic distortion, allowing for natural timbre and a precise sound field. Although conventional non-magnetic cores struggle with output voltage, the AT-ART9XA features a newly designed coil armature with an improved output voltage of 0.2 mV (1 kHz, 5 cm/sec). Threaded cartridge mounting holes make installation to a headshell or integrated tonearm incredibly easy.

Features:

- **High-separation, wide-response dual moving coil**

The dual moving coils of the system are aligned in an inverted V shape, which provides high separation and wide response for clear sound localization and minimal distortion.

- **Shibata stylus and 0.28 mm diameter solid boron cantilever**

The Shibata stylus ensures accurate high and mid-low range reproduction, and the boron cantilever provides excellent response characteristics.

- **Neodymium magnet and permendur yoke for significantly increased magnetic energy**

The specially designed magnetic circuit optimizes energy in the magnetic gap where the generator coils are located.

- **Newly designed coil armature for improved output voltage**

A complete redesign of the armature offers a 20% increase in the cross-sectional area of the generator coil to provide an output voltage of 0.2 mV.

- **PCOCC coils for high-fidelity transmission**

Using PCOCC (Pure Copper Ohno Continuous Cast) wire for the coils achieves pure signal transfer.

- **Machined aluminum base for stable playback**

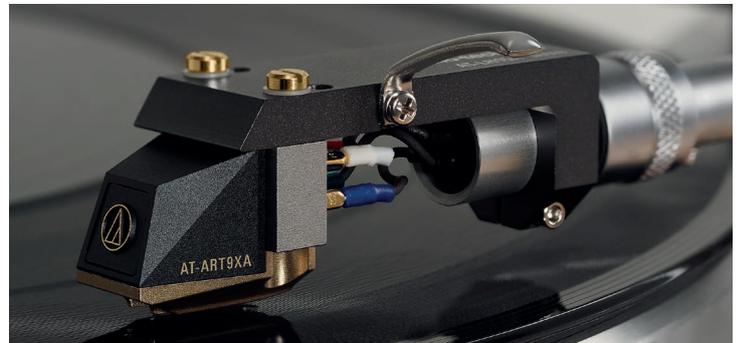
The machined aluminum base supports both the magnetic circuit and the vibration system, ensuring excellent playback stability.

- **Hybrid body reduces undesirable parasitic resonance**

The machined aluminum housing combined with high-rigidity plastic helps reduce undesirable parasitic resonance for improved sound quality.

- **Threaded cartridge mounting holes for easy installation on headshells or integrated tonearms**

The cartridge body includes threaded screw holes that allow installation on headshells or integrated tonearms with only two screws (no nuts necessary).



Specifications

Type	MC
Frequency Response	20 to 50,000 Hz
Output Voltage	0.2 mV (1 kHz, 5 cm/sec.)
Channel Separation	30 dB (1 kHz)
Output Balance	0.5 dB (1 kHz)
Tracking Force	1.6 to 2.0 g (1.8 g standard)
Coil Impedance	12 ohms (1 kHz)
DC Resistance	12 ohms
Recommended load impedance	≥ 100 ohms (when head amplifier connected)
Coil Inductance	2.5 μH (1 kHz)
Static Compliance	20 × 10 ⁻⁶ cm/dyne
Dynamic Compliance	10 × 10 ⁻⁶ cm/dyne (100 Hz)
Stylus	Nude Shibata
Stylus Curvature Radius	2.7 × 0.26 mil
Cantilever	0.28 mm diameter solid boron
Vertical Tracking Angle	20°
Dimensions	17.3 mm × 16.8 mm × 25.0 mm (H × W × D)
Threaded Hole	M2.6 × 2
Weight	8.5 g
Accessories	Non-magnetic screwdriver; Brush; Washer × 2; Cartridge installation screws (M2.6) (5.0 mm × 2; 8.0 mm × 2; 10.0 mm × 2; 12.0 mm × 2); Protector

For product improvement, the product is subject to modification without notice.

RRP: £1299.99/1499€ (inc. VAT)