

EINSTEIN

HANDCRAFTED
AUDIO COMPONENTS
SINCE 1988

THE PICK UP

MC Cartridge

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Dear **EINSTEIN** customer!

With the **EINSTEIN The Pick Up** MC cartridge, you have acquired that rarest of cartridges – one that conforms to the most stringent standards. To get the most from it, please take a few leisurely moments and peruse the following instructions.

The Pick Up is a cartridge that deliberately eschews frilly features to focus instead on the core essentials:

- Realistic reproduction with the utmost fidelity
- Rock-solid reliability for years of worry-free service
- Extended market value to protect your investment

The **EINSTEIN The Pick Up** does not sound beautiful, soft or energetic. Our goal is to design devices that integrate into existing systems with the absolute minimum of signal degradation or "artistic license". A cartridge's job is simple (though by no means easy): pass the signal from the recording to the amplifier. Even the "world's best" Hifi system cannot correct for losses or errors incurred by the cartridge. Quite the contrary. A superior system will ruthlessly reveal any shortcomings in the cartridge. Hence your decision to incorporate the **EINSTEIN The Pick Up** into your system was a truly informed one. Congratulations.

We extend our regards from Bochum and wish you much musical satisfaction from your new **EINSTEIN The Pick Up**.

Volker Bohlmeier

EINSTEIN The Pick Up Moving Coil Cartridge

Since more than 30 years Volker Bohlmeier had the idea to design his own cartridge. He started modifying the classic Denon DL 103, Audio Technica, Decca or EMT cartridges. It ended up, that EMT manufactured a cartridge for him in the mid 80es, which was based on the original TSD 15 broadcasting cartridge. When Volker Bohlmeier founded EINSTEIN Audio Components in 1988 EMT manufactured the well know TU-2 cartridge for EINSTEIN, followed by the even more famous TU-3 model with a different cartridge body, bor cantilever, different stylus shapes, as well as modified coils to achieve a lower output voltage, as well as a lower coil mass. This cartridge was reviewed by many analog specialists and got a lot of merits for it's dynamic, well balanced and lively, meaty sound. It was and still is a fantastic cartridge.

Yet, being driven by the search for the perfect sound he was aware of the little weaknesses of this cartridge. To meet the standard achieved by all other EINSTEIN Audio products, he wanted it even better, close to perfect.

When Volker met the chief designer of Ortofon Mr. Leif Joannsen the idea of a perfect EINSTEIN cartridge took shape. And when Mr. Christen Nielsen, CEO of Ortofon agreed to this project, the idea got real.

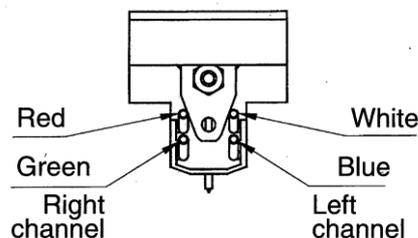
Many prototypes were made until the right rigid mechanical casing and the generator design were in balance. The final listening tests on various tonearms and turntables justified all the efforts in design work and prototypes. A wonderful cartridge The Pick Up became real.

The Pick Up creates a wonderful tonal balance along stability and authority. It's not a thin or analytic sounding cartridge at all. You immediately notice a smooth midrange, full of character and realism. Voices are warm, but with a lot of information. Top end is smooth with incredible detail, which allows the room or place to become real three dimensional. One can feel and almost see where the record was recorded. Any reverberation on the recording and the typical coloration of the instruments being used is noticeable. Bass is largely extended with a lot of punch and dynamic yet always in time. Every note is audible.

The Pick Up is the cartridge Volker Bohlmeier was looking for since he started working with turntables. It is a real EINSTEIN product with all qualities that have made EINSTEIN Audio Components the worldwide highly estimated Audio brand it is.

Technical Specifications

Ideal for medium to heavy mass tonearms



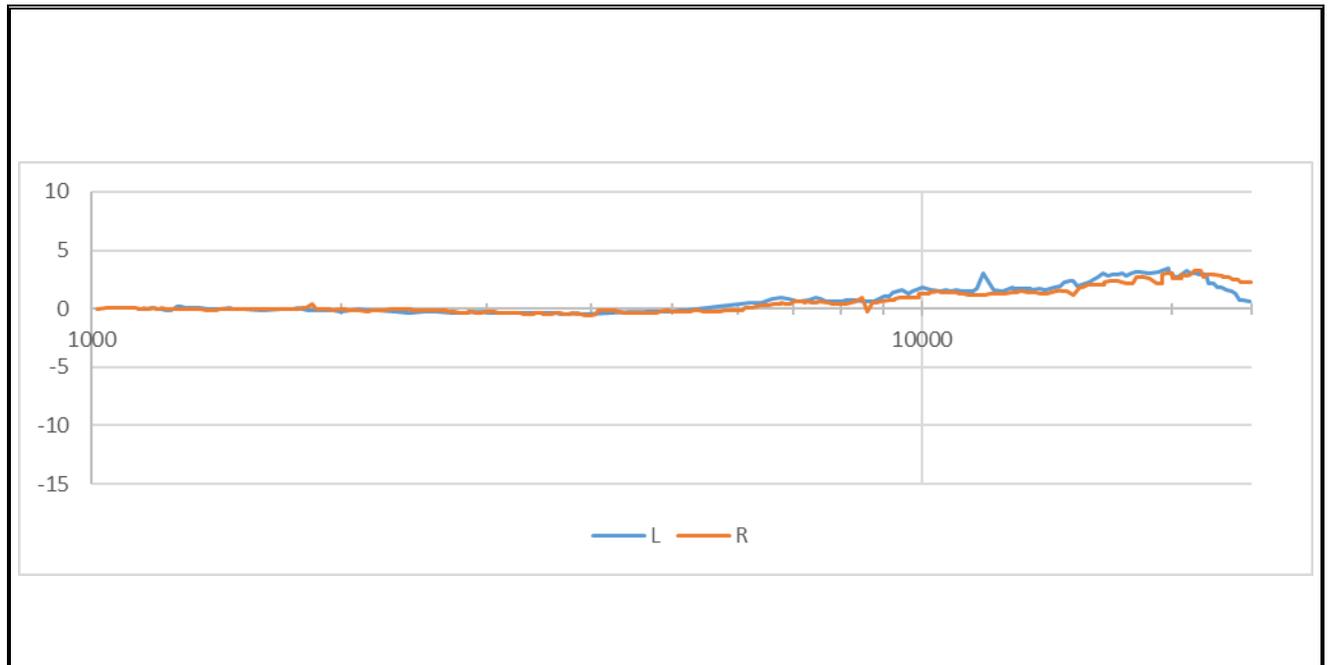
Pin assignment/allocation

Content

EINSTEIN The Pick Up Cartridge

Allenkey, mounting hardware set (stainless steel 4,6 and 8mm, brass 6mm, brass nickel plated (2 each), EINSTEIN cartridge alignment template, spirit level

	Type	No.
	MC Einstein The Pick Up	1-210055-12
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By: KP		Approved:



	NOMINAL
Output voltage at 1000 Hz, 5cm/sec.	0,4 mV
Channel balance at 1 kHz	<=1 dB
Channel separation at 1 kHz	>=21 dB
Channel separation at 15 kHz	>=15 dB
Frequency range at - 3dB	20-30000 Hz
FIM distortion at recommended tracking force, DIN 45.542	>70 μ m
Tracking ability at 315 Hz at recommended tracking force	
Compliance, dynamic, lateral	13 μ m/mN
Stylus type	Nude Shibata On Boron cantilever
Stylus tip radius	r/R 6/50 μ m
Tracking force range	2,0 - 3,0 g.
Tracking force, recommended	2,4 g.
Tracking angle	20 °
Internal impedance, DC resistance	12 Ω
Recommended load impedance	150-300 Ω
Cartridge body material	Alu.
Cartridge colour	Black
Cartridge weight	13 g.