



Precision Vinyl Data Pick-Up System

Your favorite discs contain much deeper contents
than ordinary audio systems may retrieve.

You can enjoy the real dynamism of live performances
that has been buried in the groove and
never been heard, in the past.

The phono equalizing amplifier
perfectly tuned to HCTR01 mk-II

HEQA02



HCTR01 mk-II

Ultra Low Inductance Cartridge
0.3 μ H / 0.4 Ω

KUBOTEK



Precision Vinyl Data Pick-Up System

HCTR01 mkII + HEQA02 : Price \$12,000 (SRP w/o tax)

Ultra Low Inductance MC Cartridge

HCTR01 mkII

With MC Cartridge, if the coil turn is made less to reduce its impedance, the output voltage also becomes lower. We have overcome this problem by adopting the special high- μ material SH- μ X for its core, the thick oxygen-less copper of 60 μ m for its coil, and the powerful Neodymium magnet for its magnetic circuit. The result is the unprecedented super low impedance of 0.4 Ω and ultra low inductance of 0.3 μ H. With its pure Boron cantilever, the highest tracking fidelity is obtained to pick up whole of the music signals cut into the record groove.

The inductance of cartridge is more important than its impedance. The lower inductance, realized by reducing the coil turns, improves the phase characteristics of cartridge. By this, the peak of pulse response gets higher, and the tangent response sharper. This sharpness of sound creates the natural presence of music, as if players are performing just in front of you.

It is finished with the dignity to match its high performances, having aluminum alloy body with japan-like surface.

NOTE :
We recommend you to reduce the wiring impedance inside the player system to less than 0.2 Ω , in order to enjoy the best of HCTR01 mkII.

Type	Moving Coil
Input Impedance	0.4 Ω (AC 1kHz)
Inductance	0.3 μ H (AC 1kHz)
Cantilever	Boron
Suggested Needle Pressure	0.8g - 1.2g
Weight	10g
Due to its Ultra Low Inductance & Impedance, this works only with HEQA02.	



Haniwa Phono Equalizer Amp

HEQA02

The circuit of HEQA02 is successfully suppressing the phase shift while realizing the precise equalization. This is an ideal partner for HCTR01 mkII (ultra low inductance MC cartridge), with its special input stage circuit designed specifically to match the extraordinary low inductance and impedance.

The equalizing circuit is NF+CR type, adjusting the lower frequency range to RIAA curve by NF low boost circuit, and then rolling off the high frequency range by CR circuit.

Due to the phase sensitive design policy, the output from the RIAA equalization has flat gain and phase curves over full range of audio bandwidth, boosting less than $\pm 1^\circ$ phase deviation over 20Hz through 20kHz, and RIAA deviation of less than ± 0.2 dB.

Input	Tuned to HCTR01 mkII
Max Output Voltage	200mV
RIAA Curve Deviation	less than ± 0.2 dB (20~20kHz)
Output Phase Shift	less than $\pm 1^\circ$ (20~20kHz)
Size (WxHxD)	155 x 60 x 270 mm
Weight	2.5kg



HEQA02 Rear View