VRDS-NEO “VMK-3.5-20S” K-03 transport mechanism

ESOTERIC’s proprietary VRDS-NEO transport mechanism uses a high-precision tandem for spinning Super Audio CD (SACD) discs, improving read position by mechanically correcting for surface run-out.

The K-03 uses an evolutionary version of the mechanism configuration adapted for the K-03 SACD/CD transport and now includes the VRDS-NEO “VMK-3.5-20S.” This new VRDS mechanism includes further refinements in the design of the drive circuit. The flat disc tray includes a higher-stiffness design, to reduce erroneous noise and airborne contaminants, from entangling or degrading the electrostatic operation of the diaphragm.

The VRDS-NEO “VMK-3.5-20S” is a high-precision mechanism using a roll of neodym magnet coreless three-phase brushless spindle motor and a shutter mechanism, designed to reduce extraneous noise and high-quality playback with rich localization and sonic depth.

In the VRDS-NEO “VMK-3.5-20S,” refined spindle drive. This amplifier circuit has its own isolated power supply circuit and transformer, to eliminate any impact on the audio circuit and to achieve outstanding playback performance.

Digital Source Device K-01 / K-03

Specifications

- Compatible file types: Super Audio CD, WAV/FLAC/ALAC files
- Output levels: 20 mV (relative 0 dB) / 1 mV (relative −36 dB)
- Input level: 0.1 mV (relative −60 dB)
- Input impedance: 75 Ω
- Signal frequency: 44.1 kHz, 88.2 kHz, 176.4 kHz, 10 MHz (±15 ppm)
- Total harmonic distortion: 0.0015% (1 kHz)
- Frequency response: 5 Hz to 55 kHz (−3 dB)
- Dynamic range: 120 dB
- Input level: 0.1 mV (relative −60 dB)
- Input impedance: 75 Ω
- I/O mode: Input
- External input: No
- Input: Coaxial RCA terminal (input impedance 75 Ω) 0.5 Vp-p

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**Digital Source Device**

**K-01**

A new reference standard digital source

Building 7 years of unique heritage of the K-01 series, and applying all new revolutionary technologies, a new flagship digital source; the K-01 was born. The K-01 has an extremely precise VRDS-NEW “VMDK-3.5-20” transport, and four DAC circuits per channel with 32-bit processing capability, high-sampling-rate digital inputs, newly advanced clock circuitry, and highly robust power supply system with four power transformers. The K-01 is a new reference grade high-end digital source deviced presented by ESOTERIC.

**K-03**

A high performer

The K-03 shares most of the essential technologies with the K-01. The technological highlights of the K-03 are: a high-performance VRDS-NEW “VMDK-3.5-10” transport, four DAC circuits per channel with 32-bit processing capability, high-sampling-rate digital inputs, newly advanced clock circuitry; and a highly robust power supply system with two power transformers. The K-03 is designed without compromising anything to achieve a new reference level in sound quality. The K-03 is a high performer.