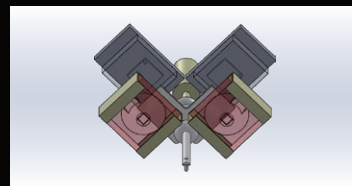


DS 003

Inheriting the essence of the Grand Master

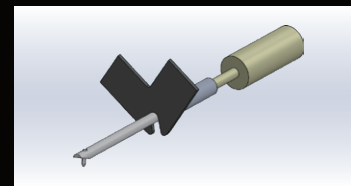


Cartridge



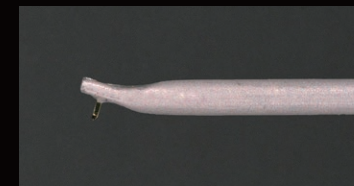
Independent LED and photo-detector arrangement for the left and right channels

The new DS003 optical cartridge system has been optimized, by implementing an independent LED and photo-detector arrangement for the left and right channels. As a result the cartridge output voltage has greatly increased from 40mV to 70mV. The DS003 cartridge offers a greatly improved S/N ratio when compared to its stable mates, resulting in an even lower noise floor and far greater musical clarity.



Weight of shading plate reduced by more than 50%

The implementation of independent left and right channel LED's allows for the positioning of the optical system to be optimized as well as necessitating the use of a new shading plate that has been significantly reduced in size compared to our earlier designs. In addition to this reduction in size, the material used to produce the shading plate has changed from aluminium (as used in the second generation cartridges) to 99.9% pure beryllium.



Aluminum cantilever & Aluminum body

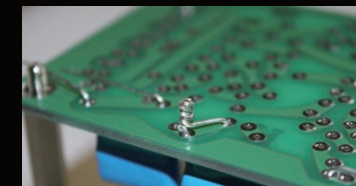
The DS003 cartridge features the combination of an aluminum cantilever with a line contact stylus. The cartridge body is made by aluminum and the structure has been designed in such a way as to promote maximum rigidity. In addition to these features, the DS003 utilizes internal wiring 1.6 times thicker than used in the second generation cartridges in order to

Equalizer



Changed the thickness of the circuit board and the thickness of the copper foil.

Compared to the DS002 equalizer, the thickness of the circuit board has been changed from 1.6 mm to 2.0 mm, and the thickness of the copper foil has been changed from 35 μ to 70 μ . In addition, the DS003 equalizer allows you to select the cutoff frequency for the low frequency range from four types, allowing you to select an output that better matches your system.



Hand-made in Japan circuit board

Every component part used in our products is tested and evaluated by our expert Japanese technicians. In addition to using a specially printed circuit board, twist-connection of the component legs is further evidence of DS Audio's excellent attention to detail. Each and every product is hand-made and quality assured by our skilled engineers.

DS 003 Optical Cartridge

Signal output	Photo-electric Conversion
Channel separation	27dB more (1KHz)
Weight	7.7g
Output signal level	70mV (1kHz cartridge output)
Canti-lever	Aluminum
Body material	Aluminum(A5052)
Cantilever holder material	Stainless
Needle pressure	2.0g~2.2g(2.1g is recommended)
Stylus	Line contact

DS 003 Equalizer for Optical Cartridge

Output voltage	500mV(1kHz Equalizer output)
Output impedance	RCA 120 Ω
Pre amp input impedance	More than 10k Ω
Input terminal	RCA terminal
Output terminal	RCA terminal \times 2
Size	W33cm \times H9.2cm \times D29.5cm
Weight	5kg