

INSTRUCTIONS

Thank you for purchasing Phasemation P-3G, MC phono pick up cartridge.

For the best performance and product durability, please read the following instructions carefully to follow the proper use of P-3G before setting up.

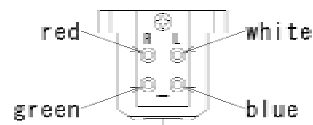
Features

- Based on the MC phono pick up cartridge model P-3, magnetic circuit has been reexamined and further improvement of tracking ability has been achieved. Consequently, these improvements made it possible to acquire even richer musical expression.
- All the parts of this cartridge are manufactured with precise processing without using any molds in order to keep the accuracy and get rid of the vibration other than generation of electric power.
- The base which build the mechanical grounding uses duralumin materials with DLC (Diamond Like Carbon) treatment and elevated its surface hardness to more than Hv= 3000, which is equivalent to the diamond. The high rigidity and the body with the superior vibration dumping characteristics are successfully materialized.
The generic term of the carbon thin film with high rigidity and electric insulation, whose hardness is equivalent to the hardness of diamond synthesized by the gas phase synthetic method.
- Cantilever using light and highly rigid pure boron materials, an electric generator with 6N oxide free copper wires and pure iron coil bobbin with high saturation magnetic flux density are used for P-3G. As for its magnetic circuit, purmendor materials and samarium-cobalt magnet which can compose the stable magnetic field are adopted.

Connection

Magnet poles of each terminal are shown right, as holding the needle rim face down

The left upper terminal :	Right channel + (red)
The right upper terminal:	Left channel + (white)
The left lower terminal:	Right channel - (green)
The right lower terminal:	Left channel - (blue)



Installation

- The mounting hole of this cartridge is a through-type and it can be pinched with the shell and the screw. The recommended length of the screw (M2.5mm, P0.45mm) is 10mm.
- This cartridge is required to use with a MC low impedance transformer such as Phasemation T-3, or a head amplifier.

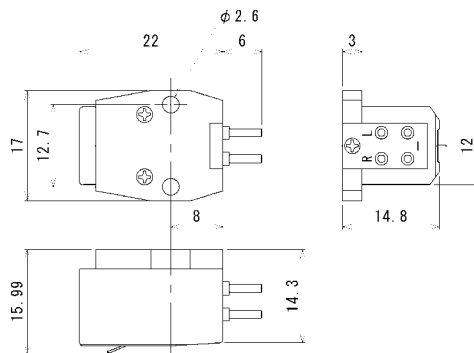
Attention

- Please do not touch the coil and the wire when you clean the stylus chip with a brush. Be sure to avoid to use the cleaners such as alcohols solvent.
- Room temperature : 20 to 26 .
Before using this cartridge, please make sure to take enough warm-up time until the room temperature fits in the range especially in winter.
This cartridge will hardly perform well as it is designed when it is used under the temperature out of the range.
- When you clean this cartridge, please use clean cloth instead of benzene and thinner.

Specifications

• Electric Generation :	Moving coil
• Stylus chip :	Diamond (line contact / bending rate 0.03 x 0.003 mm)
• Compliance :	8.0 × 10 ⁻⁶ cm / dyne (100 Hz)
• Output Voltage :	More than 0.27 mV (horizontally 1 kHz 50 mm / s)
• Impedance :	4 ohm
• Appropriate Needle Pressure :	1.7 to 2.0 g
• Frequency Range at play :	10 Hz to 30 kHz
• Separation :	More than 30 dB (1 kHz)
• Channel Balance :	Within 1 dB (1 kHz)
• Applicable Temperature Range :	20 to 26
• Self weight :	11.5 g
• Dimensions :	See the figure
• Cantilever :	Pure boron
• Magnet :	Samalium-cobalt Magnet
• Base :	Duralumin (with DLC treatment)

Figure (unit:mm)



Needle exchange

Since P-3G is a stationary type MC cartridge, please contact the dealer when exchanging its needle.

Manufacturer