PLL Quarz Locked Direct Drive Turntable System

DQX-1000

MICRO SEIKI Design Integrity

These unique design concepts have been exhaustively researched and tested by our engineers. All the manufacturing and assembly stages conform to the highest quality standards in order to produce this definitive turntable system. The result is surely one of the finest turntables available. Absolutely superb mechanical stability and precision.

The Ideal Comparator

Itself incomparable, the DQX-1000 can help you enormously in comparing cartridges and tonearms. The turntable is so neutral, you effectively remove it as a variable in your judgment. And since up to three arms can be mounted simultaneously, your comparative evaluations will be much more accurate and definitive.

The Unique Turntable System

The three large insulators on the DQX-1000 form a unique absorber mechanism that not only eliminates entirely the hazards of external vibration, but also serves to isolate the arm mount from the turntable. Up to three high quality tonearms may be mounted simultaneously, and tonearms are interchanged easily and quickly. The power supply and transformer are completely isolated in a separate control unit, thus eliminating any feedback or hum interference.

MICRO SEIKI

precision designed & engineered high fidelity record playing equipment and accessories

PLL Quarz Locked Direct Drive Turntable System

DQX-1000

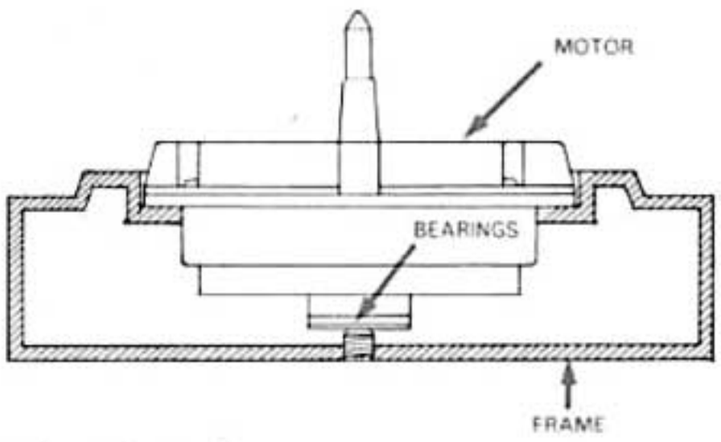
(supplied without tonearm)

■ PLL Qualtz Locked Servo Motor

The DQX-1000 uses a direct drive, frequency governed servo motor for optimum speed stability. A strong 1.5 kg (3.3 lbs.) starting torque facilitates fast, accurate speed attainment. And even under extreme conditions, the constant speed characteristics are unsurpassed: a 3 gram stylus pressure at 30 cm (11-4/5 in.) from the center of the platter produces non speed deviation.

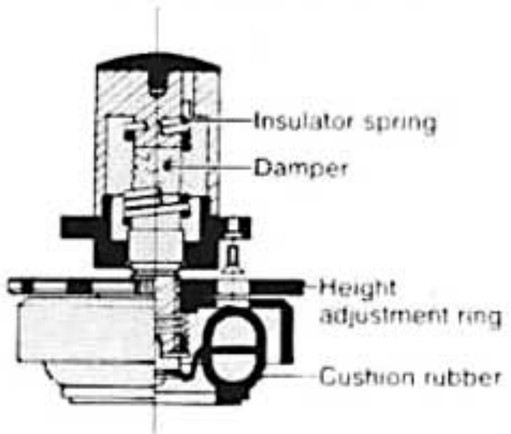
■ Motor Shaft Reinforcement

The motor frame features a structure which is integrated with the unique 3-point supporting frame. The resonance which is generated as the platter rotates is improved with the resulting mechanical strength. A reinforcement effect is also provided for the motor shaft (platter shaft) since it serves as a supporting pillar. This is a structure which clearly defines the fulcrum of the platter when the records are being played.



■ Insulators

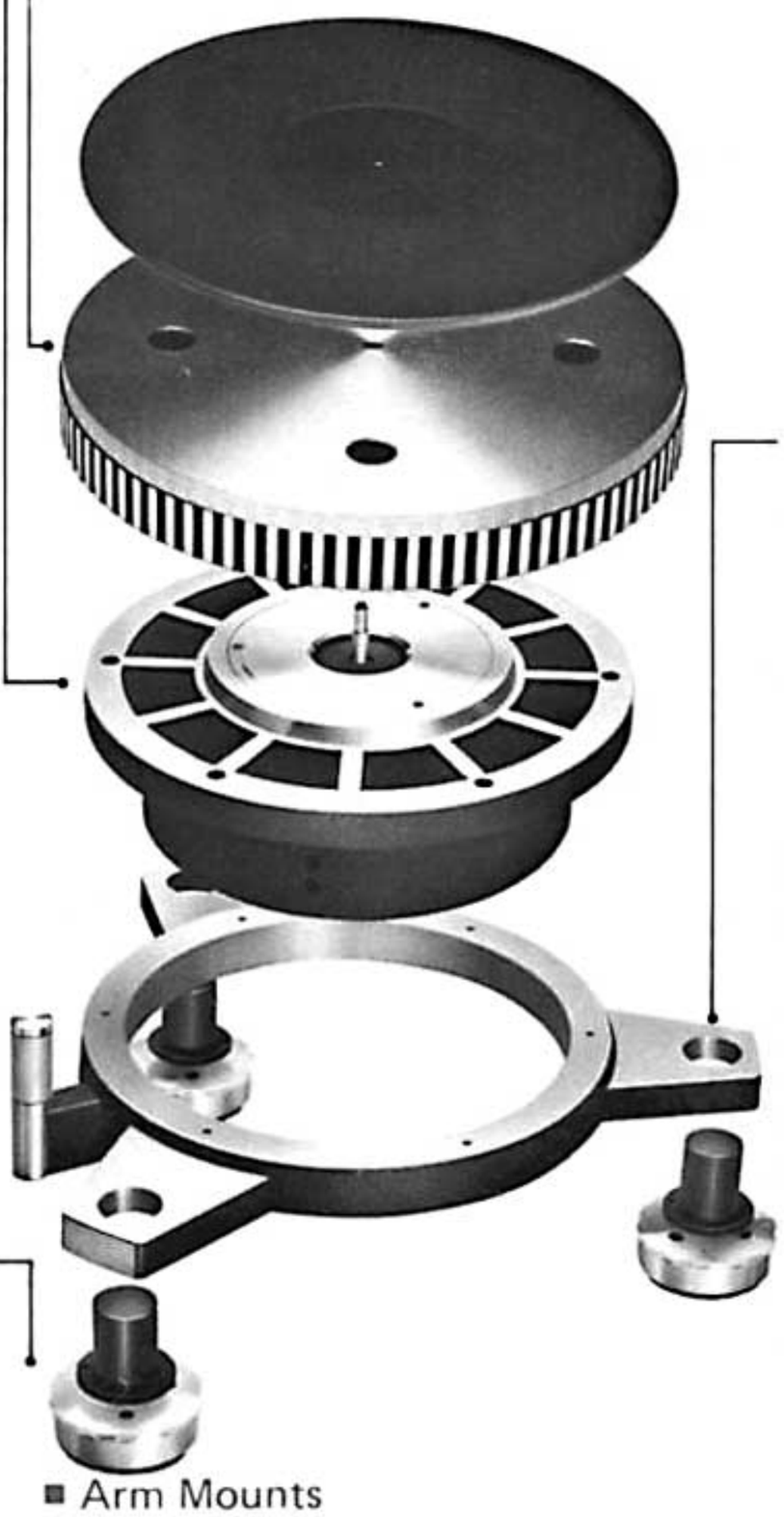
The two-layer absorber system consists of cushion rubber and insulator balls with built-in springs. Since the fulcrum lies in the upper part of the insulators, the resulting low center of gravity provides excellent compliance neutralization both horizontally and vertically.



■ Turntable

The exceptional performance stability of the DQX-1000 can be attributed to the large, 31 cm, 2.9 kg (12-1/4 inches, 6.38 lbs), the platter has a significantly high moment of inertia: 600 kg· cm^2.

Additionally, a low shaft burden has been achieved by distributing the weight around the perifery of he platter. The rotational momentum is accordingly very even and constant. Stroboscope markings are inscribed on the turntable, and as the stroboscope is aligned to a built-in oscillator, power line variations have no effect whatsoever on the rotational speed.



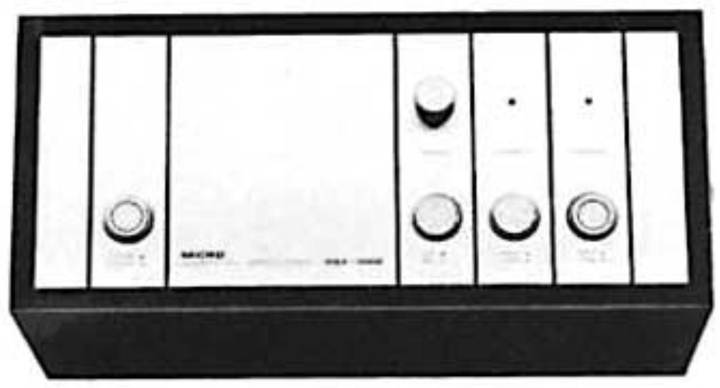
■ Arm Mounts

Six modular arm mounts are available optionally for precise, convenient installation of any high quality tonearm on any of the three positions. Now you can easily compare performance characteristics of tonearms and cartridges in order to maximize the efficiency of your total system interface. The DQX-1000 allows you to match specific disc playback characteristics with your cartridges and loudspeakers for the fullest possible enjoyment.

■ Control Unit

The turntable controls and power supply have been incorporated in an independent unit for optimum ease of access to the power button, speed select buttons, and fine speed adjustment controls, which can vary the rated speed ±6% – a full octave.

Magnetic materials are excluded from the cover, and a wooden case is employed in order to improve the sound quality. The quartz circuit has an ON/OFF control, and when it is set to OFF, the signals bypass the PLL servo circuit entirely.



■ Turntable Frame

A unique 3-point supporting frame has been developed in order to increase the stability of the DQX-1000 system. Thus the mechanism is contained within the most stable operating conditions possible. The 1.9 kg (4.18 lbs.) frame is made of aluminium alloy.

Specifications

Turntable

Drive system	Direct drive system
Motor	Quartz-locked PLL servo DC motor
Speeds	33-1/3 rpm, 45 rpm
Platter	Aluminum with 31 cm (12-1/4 inch) diameter and 2.9 kg (6.38 lbs) weight
Moment of inertia	600 kg·cm^2
Wow & flutter	Less than 0.02%(WRMS)
S/N ratio	More than 75 dB (DIN-B)
Starting torque	1.5 kg·cm
Power	U.S.A. & Canada 120 V, 60 Hz Other areas 220 – 240 V, 50 Hz, 11 W
Dimensions	444 (W) x 444 (D) x 125 (H) mm 17-1/2 (W) x 17-1/2 (D) x 5 (H) inch
Weight	12 kg (26.4 lbs) without control unit

Design and specifications are subject to modification without notice.

● Optional Accessory C-1000

MICRO SEIKI CO.,LTD.
TOKYO JAPAN