

ST120

Electronic Motor Control for Quality Performance



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ST120

FG-Servo Belt Drive Automatic Turntable

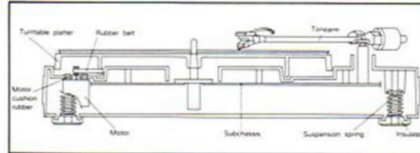
From its inception to the present, belt drive has been improved by making various design changes to the motor or platter balance. Now the FG motor-driven ST120 brings an even higher level of performance. Many other improvements have been made to raise this high performance turntable into a leading role.

FG SERVO DC MOTOR

The FG servo DC motor is coaxially coupled to maintain high accuracy in rotation speed. The signal is converted into rectangular waves by a waveform shaping circuit then into trigger pulses by the trigger pulse generator circuit. This addition of electronic control assures precise motor rotation.

SPECIAL INDEPENDENT CHASSIS SUSPENSION

An original design independent suspension design is incorporated to eliminate vibrations. This system is based on damping rubber cushions and balanced steel springs to isolate the cabinet assembly from outside vibration.



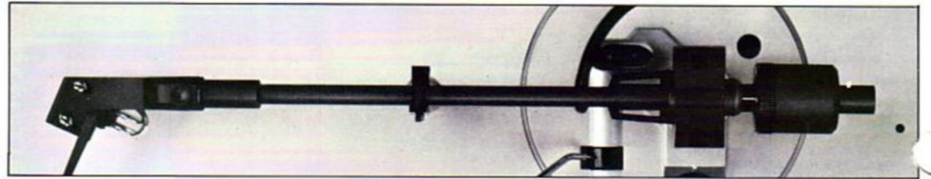
Acoustic feedback is almost eliminated with this independent structure.

AUTO RETURN AND AUTO SHUTOFF

The tonearm is also automatically returned to rest and power turned off at the end of play. This feature frees you to enjoy play without worrying about the end of the record.

LOW MASS STRAIGHT TONEARM

A low mass, straight tonearm that has been balanced for resonance provides accurate tracking and also includes a removable headshell and antiskating device.



- 1 Turntable platter mat
- 2 Turntable platter
- 3 Turntable shaft
- 4 Counterweight
- 5 Calibration ring
- 6 Antiskating knob
- 7 Cueing device
- 8 Tonearm rest
- 9 Cueing lever
- 10 Headshell
- 11 STOP knob
- 12 Speed selector knob
- 13 Pitch control knob
- 14 Neon lamp
- 15 45 rpm adapter
- 16 Tonearm

OIL-DAMPED CUEING

Oil-damped cueing of ST 120 brings the stylus to rest in the groove with such precision and gentleness, your records will no longer be damaged on cueing. Lead-in is safe, easy and accurate.

PITCH CONTROL

The pitch control permits adjustments for the sensitive ear. Now you can play or sing along with your favorite recorded pieces with accurate pitch control.

SPECIFICATIONS

TURNTABLE

Motor	FG-Servo DC motor
Speeds	33-1/3 and 45 r.p.m.
Wow & Flutter	0.08% (WRMS), $\pm 0.12\%$ (DIN 45507)
Rumble	38 dB DIN45539A (unweighted) 65 dB DIN45539B (weighted)
Turntable platter	308 mm aluminum alloy die-cast with strobe outside rim
Speed calibration	pitch control $\pm 2.5\%$

TONEARM

Effective length	Straight-line tubular, static balance type with removable headshell and antiskating device
Overhang	222 mm
Adjustable tracking force	16.8 mm
Usable cartridge weight	0-2.5 g with direct readout weight 4-6.5 g

CARTRIDGE (OPTION)

Frequency response	Moving Magnet type. Model MM3 with 0.6 mil diamond stylus
Output voltage	20-20,000 Hz
Channel balance	3 mV ± 3 dB at 1 kHz 3.54 cm/sec.
Channel separation	Within 2 dB at 1 kHz
Load resistance	More than 18 dB at 1 kHz
Weight	47 Kohm
Optimum stylus force	4.6 g w/ spacer 1.8 g

GENERAL

Automatic functions	Automatic return and automatic shutoff
Power source	220V 50Hz for Europe. 120V 60Hz for North America
Power consumption	4 watts
Dimensions	420(w) \times 121(h) \times 365(d) mm
Weight	4.2 kg (net)

Design and specifications subject to change without notice for improvements.