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**PIONEER**

**PL-71**

All-electronic direct-drive turntable with brushless DC servo motor, and supersensitive S-shaped tonearm.

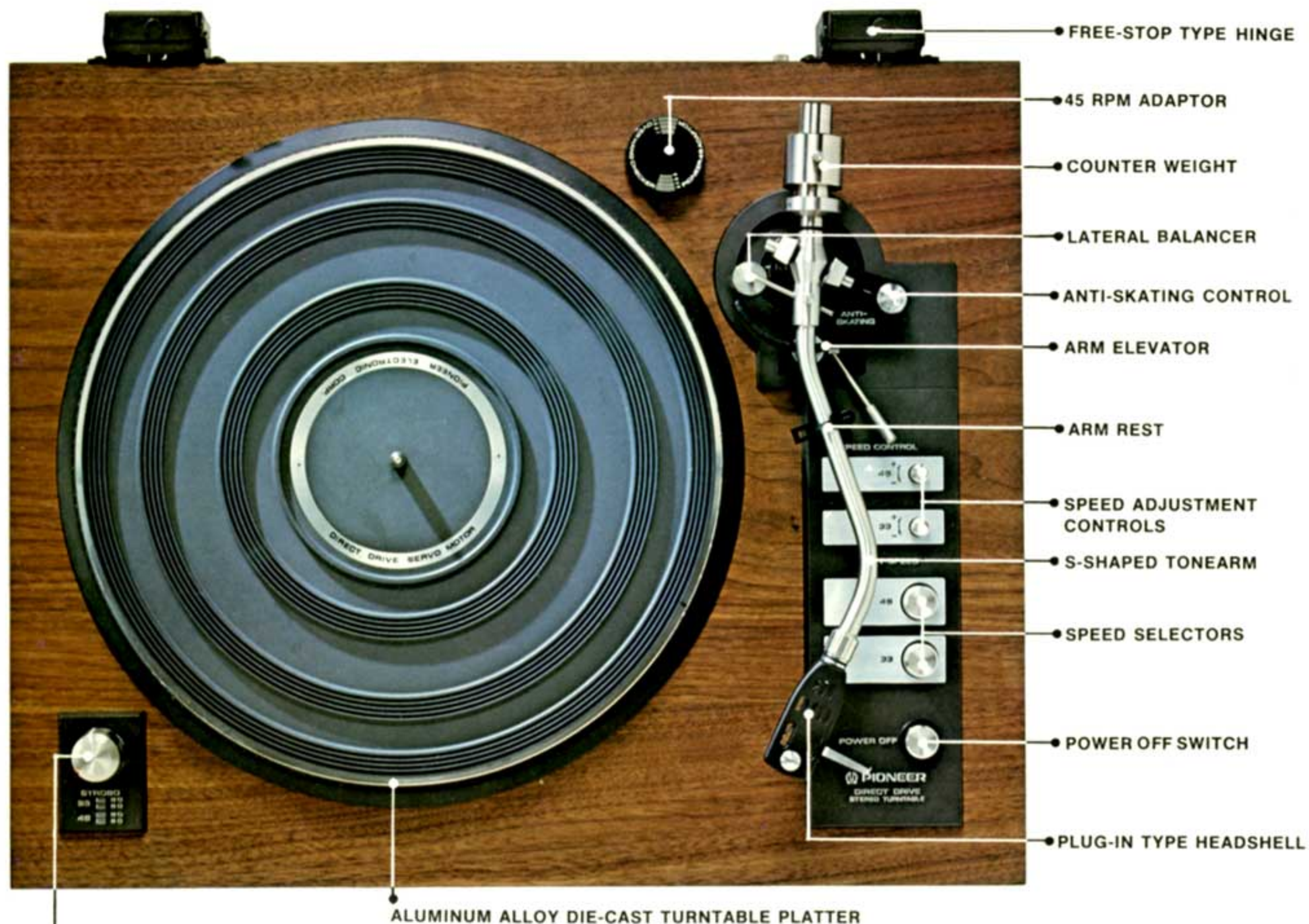


Pioneer's new direct-drive PL-71 is a quiet turntable and virtually vibration-free. The brushless DC servo motor directly rotates the platter without belts or rim idlers, meaning vibration-causing factors are eliminated. This sophisticated direct-drive system and all-electronic DC servo control reduce wow and flutter to less than 0.05% (WRMS), and boosts signal-to-noise ratio to better than 60dB — figures which place the PL-71 in the very top ranks of today's hi-fi turntables. And its built-in stroboscope gives you visible proof of its accuracy. Supporting this quality is its supersensitive S-shaped tonearm, developed by

Pioneer to perform perfectly at light tracking pressures (0.5g and up) and ideal for stereo or 4-channel use. The tonearm is professional throughout, with a lateral balancer, an anti-skating control, direct-readout stylus pressure scale, oil-damped cueing device, lightweight headshell and more. The double-construction wooden cabinet provides ideal mass for stability and is free of howling and resistant to external vibration. The best way you can be entirely sure that vibration is not affecting the quality of your records is a direct-drive turntable with the latest design — the PL-71 direct-drive from Pioneer.



# PL-71



STROBO LIGHT

LARGE INSULATOR

OUTPUT TERMINALS

ANTI-VIBRATION SOLID CABINET

GROUND TERMINAL

STROBO

POWER LINE CORD





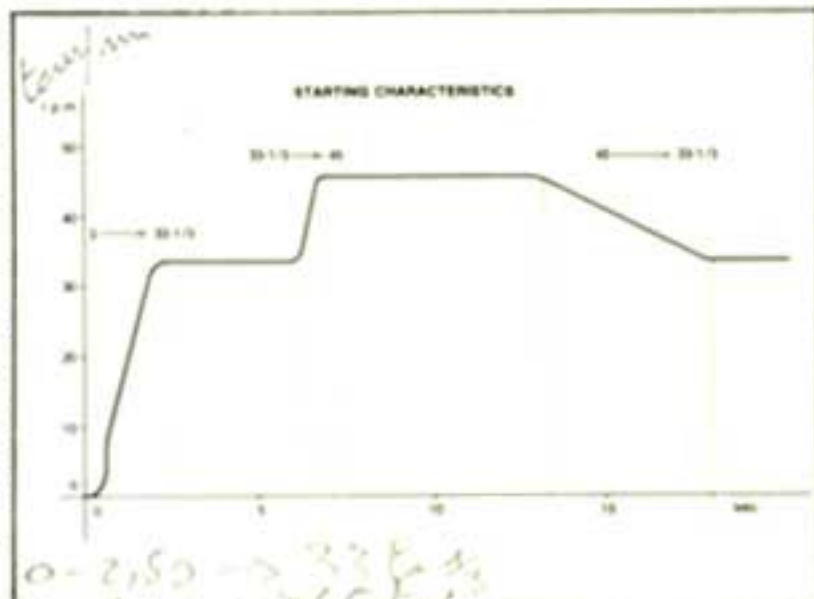
### SERVO-CONTROLLED DIRECT-DRIVE SYSTEM

Pioneer eliminates motor vibration in the PL-71 by using a DC servo-controlled direct drive system which needs no belts or rim idlers to rotate the platter. The shaft of the platter itself is an integral part of the drive motor. This enables the reduction of wow and flutter to below 0.05% (WRMS) and improves signal-to-noise ratio to more than 60dB. Your records are reproduced without muddiness or other forms of irritating distortion since the motor's speed is exactly the same as the platter speed (33-1/3 and 45 rpm).



### HIGH-TORQUE DRIVE

The 31cm (12-1/4 inch) turntable platter is of die-cast aluminum alloy, constructed with precision for ideal dynamic balance and inertia characteristics. The weight is comparatively heavy for the platter of direct-drive turntables, and is perfectly suited for the high-torque characteristics of the DC drive motor. Platter rotation is accurate at all times regardless of fluctuation in line (AC) voltage supply or temperature drift, thanks to the micro-electronic servo control circuit which monitors and adjusts rotation automatically.



### ELECTRONIC SPEED CONTROL WITH STROBO-TIMING DEVICE

Since the PL-71 employs a brushless DC servo-controlled motor, you can adjust the actual rotation rate within  $\pm 2\%$  to assure perfect accuracy. The self-contained strobo light, the strobo-calibrated edge of the platter, and the easy-to-use fine-tune speed adjusters facilitate this operation. The DC-motor has its own built-in constant voltage circuit, the PL-71 operates perfectly from power supplies of either 50 or 60Hz. Of course, the speed of platter rotation (33-1/3 or 45 rpm) is changed electronically.



### PIONEER'S NEW, SUPERSENSITIVE S-SHAPED TONEARM

In terms of sensitivity, tracing capability, durability and all other vital factors, the S-shaped tonearm in the Pioneer PL-71 is without peer. All materials have been carefully selected, and each of the below-listed features painstakingly engineered, to provide ideal results in stereo or 4-channel use with the most advanced phono cartridges on the market today.



- (1) The S-shaped stainless piping of the tonearm is 0.5mm thick with an outer diameter of 9mm. Its low-frequency resonance point is optimum, ensuring that interference caused by record warp or other peculiar conditions is ideally suppressed.
- (2) The main counter weight compensates for phono cartridges in the range of 4 to 32 grams without alteration.
- (3) The tonearm is equipped with a lateral balancer with variable center-of-gravity to enhance tracing capability.
- (4) The tonearm height can easily be adjusted for precise tracking angle to suit any phono cartridges.
- (5) An easy-to-adjust anti-skating device is provided. Its scale is coordinated with the stylus-pressure scale for quick calibration.
- (6) Smooth tonearm operation is guaranteed by the completely sealed, oil-damped cueing device, operated from the control panel.
- (7) The direct-readout stylus pressure scale facilitates quick adjustment.
- (8) Lightweight plug-in type headshell uses special rubber damper, and will accept your favorite cartridges.



Phono cartridges requiring tracking force as light as 0.5g can be used with ideal results. And cartridges designed for use with discrete 4-channel discs need no special attention, thanks to the high sensitivity of this advanced tonearm.

### ANTI-VIBRATION WOODEN CABINET AND METAL BASE

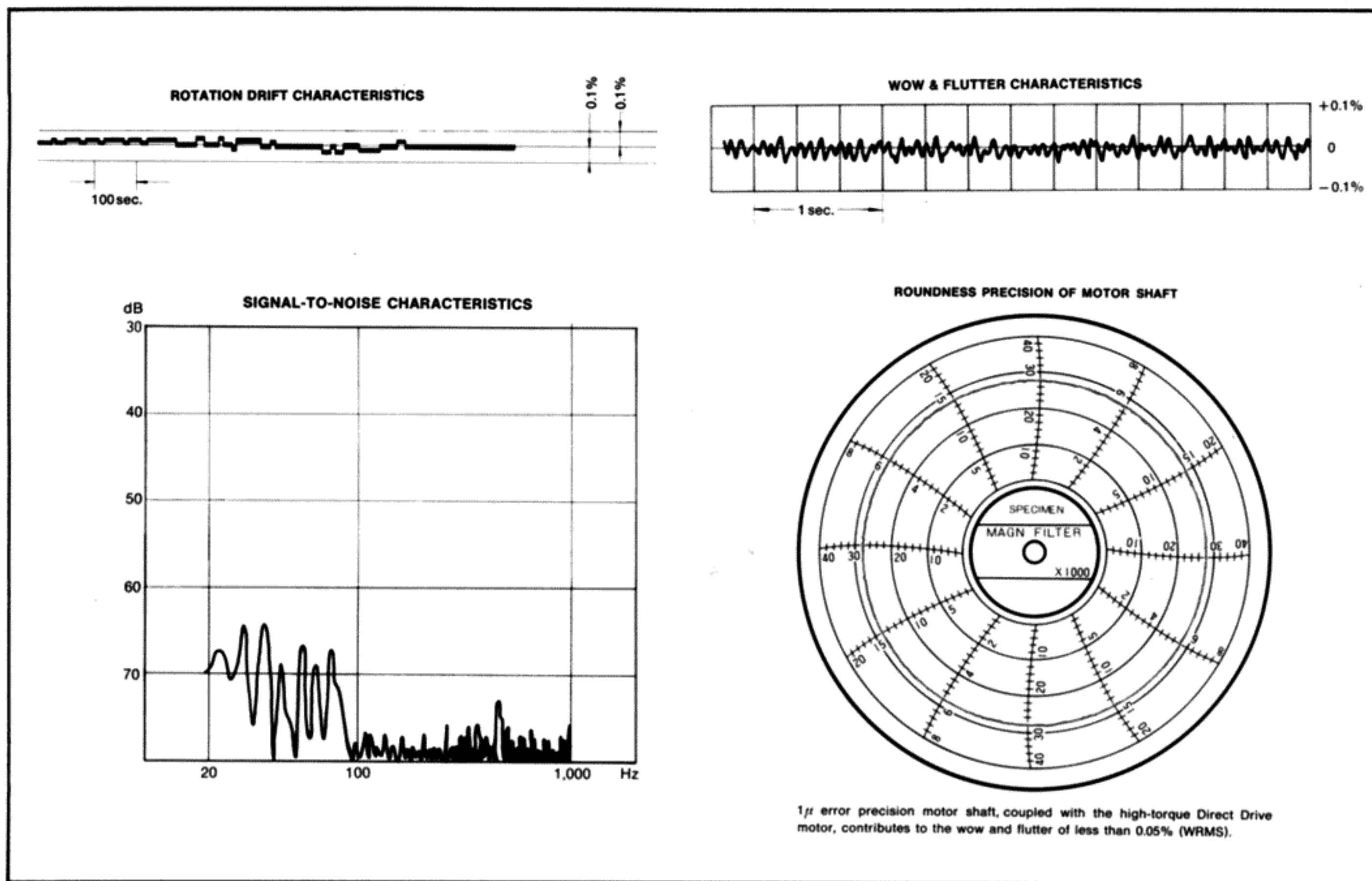
The double-construction design of the PL-71 virtually eliminates all external vibration. The cabinet of the turntable itself is of thick, heavy wood, finished in attractive walnut, while the sturdy base is of durable metal. The ideal weight/mass ratio of this dual combination, together with the large insulators, contributes to the resonance-resistant, anti-vibration, howl-proof characteristics of the PL-71.



### FUNCTIONAL CONTROL PANEL

All operational controls of the PL-71 are located in a functional control panel on the righthand side of the turntable. Since they are arranged with considerations for actual use, you need only one hand to operate the PL-71 smoothly and without hesitation.





## PL-71 SPECIFICATIONS

### MOTOR AND TURNTABLE

Motor:	Brushless DC servo-controlled motor
Drive System:	Direct-drive system
Speeds:	33-1/3 and 45 rpm (electronic speed change)
Speed Control Range:	Within $\pm 2\%$ (individual control for 33-1/3 and 45 rpm)
Wow and Flutter:	Less than 0.05% (WRMS)
Signal-to-Noise Ratio:	More than 60dB
Turntable Platter:	31 cm (12-1/4 inch) diameter aluminum alloy die-cast

### ONEARM

Type:	Static-balance type S-shaped pipe arm
Effective Arm Length:	224 mm
Overhang:	14.5 mm

Usable Cartridge Weight: 4 g (min.) to 32 g (max.)

Additional Features: Anti-skating device, Oil-damped cueing device, Stylus pressure direct-readout counter weight, Lateral balancer (variable center-of-gravity type), Arm height adjusting device, Plug-in headshell.

### MISCELLANEOUS

Semiconductors:	Transistors: 12, Diodes: 20
Power Requirements:	U.S.A. and Canada model; 120V 60Hz only or 110, 120, 130, 220, 240V (switchable) 50-60Hz
Power Consumption:	5.2 watts (max.)
Dimensions:	480(W) x 185(H) x 415(D) mm 18-29/32(W) x 7-9/32(H) x 16-11/32(D) inches
Weight:	11.0 kg/24 lb. 4 oz.

**NOTE:** Specifications and design subject to possible modification without notice.



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