

Technics SL-1200GR2ES Gramofon sa direktnim pogonom

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Kategorija proizvoda: Gramofoni bez Phono sekcije

Proizvođač: Technics

Cena: 226.800,00 rsd

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Fusing Technics' traditional analog and digital technologies, the SL-1200GR2 is the new standard in direct drive turntable systems. With a revolutionary new drive control method for smooth, accurate rotational stability and a new power supply for an exceptionally low noise floor the new generation turntable outperforms the usual standards of its class, for rich, robust sounds and true high-fidelity listening.

Coreless direct drive motor achieving stable rotation

Low-noise, low-voltage power circuit and a switching power supply

$\Delta\Sigma$ -Drive suppresses vibrations from the motor for smoother, more accurate rotation

Tonearm achieving high initial-motion sensitivity

Two-layer platter with high rigidity and vibration damping

High-rigidity body and high-damping silicon insulators for smooth sound and isolation from various vibrations

The First Stage of The New Generation of Technics' Direct Drive Turntables

Since inventing the world's first direct drive turntable, Technics has continued to work to improve sound quality. It has now developed the $\Delta\Sigma$ -Drive, which suppresses minute vibrations from the motor and improves the electromagnetic conversion accuracy of the cartridge. The first stage of direct drive turntable systems featuring this technology is the SL-1200GR2.

New Motor-Drive System, $\Delta\Sigma$ -Drive

(Delta Sigma Drive)

The $\Delta\Sigma$ -Drive is a new system that applies Technics' expertise in PWM signal processing. In addition to reducing high harmonics, the new drive suppresses vibrations from the motor for smoother, more accurate rotation, ensuring a rich reproduction of the music.

Coreless Direct-Drive Motor Achieving

Stable Rotation

In 1970, Technics commercialised the world's first direct drive turntable, and the system took the world by storm. Unlike belt drive and other systems, direct drive systems rotate the motor at low speed and directly drive the platter, thus providing numerous advantages, such as the almost complete absence of degradation in S/N ratio due to motor vibration and deceleration mechanisms, as well as high reliability over a long period time because of not requiring parts replacement.

And in 2016, Technics developed the twin-rotor, surface-facing, coreless direct drive motor with rotor magnets placed on both sides, thereby eliminating the rotation irregularity of the motor, referred to as "cogging," which was a unique issue for direct drive systems. This motor was adopted for the SL-1200G, which once again drew a significant response in the hi-fi market. The SL-1200GR2 inherits the same design philosophy with the new development of a single-rotor, surface-facing, coreless direct drive motor, resulting in the elimination of cogging.

Pursuing Rigidity and Vibration

Damping Characteristics

The platter achieves high rigidity and vibration damping characteristics by using a two-layer construction with deadening rubber applied to the entire rear surface of the aluminum die-cast to eliminate the unnecessary resonance that is otherwise relayed to the record, thereby producing clear sound.

To increase the inertial mass and reduce vibration, the shape of the aluminum die-cast portion was optimized by simulation. At 2.5 kg (including the rubber mat), the SL-1200GR2 platter is 0.8 kg heavier than that of the previous SL-1200MK5. Also, the back surface of the platter has strengthening ribs added to improve rigidity. Increasing the surface area of contact with the deadening rubber achieves damping characteristics that are more than twice those of the SL-1200MK5.

Tonearm Achieving High Initial-Motion

Sensitivity

The tonearm tracks the rotation of the record and enables reading with high precision, and the tonearm inherited by Technics is the traditionally used static-balance universal S-shaped tonearm, employing an aluminium pipe with excellent light weight and rigidity for the material of the tonearm pipe. With its gimbal suspension construction, the tonearm bearing section uses a cut-processed housing that employs high-precision bearings, as in the SL-1200G and SL-1200GR. The high initial-motion sensitivity of 5 mg or less is achieved through manual assembly and adjustment by skilled Japanese artisans. This enables the grooves etched into the records to be accurately traced.

In addition, one type of auxiliary weight comes included, and the cartridge can be swapped with a variety of other cartridges to match the music genre or feeling. (Applicable cartridge weight when using the supplied auxiliary weight: 10 - 16.4 g (not including the supplied head shell))

Low-Noise Switching Circuit

Use of a high-speed switching power supply ensures a stable supply capacity and less ripple and humming. Applying a switching power supply to a turntable eliminates the need for a large transformer and countermeasures for the ensuing mechanical vibrations. A switching frequency of above 100 kHz limits the impact of noise on the music playback bandwidth.

Current Injection Active Noise

Cancelling

This technology combines a noise detection device with an error amplifier. It detects residual noise in the power supply and applies an inverse phase current to remove noise components. It removes low frequency noise more effectively than a regulator to ensure a more ideal power supply.

Two-layered Cabinet Construction

The SL-1200GR2 ensures high rigidity by using a body with a two-layered construction that solidly unifies the BMC and the aluminum die-cast chassis.

High-dampening Silicone Insulators

For the insulators supporting the body, the SL-1200GR2 uses special silicon rubber that ensures high vibration damping characteristics and long-term reliability.

High-Quality Terminals

The turntable uses gold-plated phono terminals for detachable cables, while metal shielding construction inside the case reduces the effects of external noise.

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| Power Supply | AC220-240 V, 50/60 Hz |
| Power Consumption | 11 W, Approx. 0.3 W (Standby) |
| Dimensions (W x H x D) | 453 x 173 x 372 mm (17-27/32 x 6-13/16 x 14-21/32 in) |
| Weight | Approx. 11.5 kg (Approx. 25.35 lbs) |

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| Accessories | Turntable, Turntable sheet, Dust cover, EP record adaptor, Balance weight, Auxiliary weight, Cartridge spacer Head shell, Overhang gauge, Screw set for cartridge, PHONO cable, PHONO earth lead, AC power supply cord, Owner's Manual |
| Operating Humidity Range | 35% to 80% RH (no condensation) |
| Terminals | |
| Audio Output | PHONO (Pin Jack) x 1, EARTH TERMINAL x 1 |
| Tonearm Section | |
| Type | Static Balance |
| Effective Length | 230 mm (9-1/16") |
| Overhang | 15 mm (19/32") |
| Tracking Error Angle | Within 2° 32' (at the outer groove of 30 cm record), Within 0° 32' (at the inner groove of 30 cm record) |
| Offset Angle | 22° |
| Arm-height Adjustment Range | 0 - 6 mm |
| Stylus Pressure Adjustment Range | 0 - 4 g (Direct Reading) |
| Head Shell Weight | Approx. 7.6 g |
| Applicable Cartridge Weight Range | (without auxiliary weight) 5.6 - 12.0 g; 14.3 - 20.7 g (including head shell) (with auxiliary weight) 10.0 - 16.4 g; 18.7 - 25.1 g (including head shell) |
| Cartridge Mounting Dimension | JIS 12.7 mm (1/2") interval |
| Head Shell Terminal Lug | 1.2 mmø 4-pin terminal lug |
| Turntable Section | |
| Type | Direct Drive Turntable |
| Turntable Speeds | 33-1/3, 45 and 78 r/min |
| Adjust Range | ±8 %, ±16 % |
| Starting Torque | 2.2 kg-cm |

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| Build-up Characteristics | 0.7 s. from Standstill to 33-1/3 r/min |
| Wow And Flutter | 0.025 % W.R.M.S. |
| Braking System | Electronic brake |
| Turntable Platter | Aluminium diecast, Diameter: 332 mm, Weight: Approx. 2.5 kg (5.51 lb) (Including rubber sheet) |