

The Revox Turntable B790.



- ★ ULTRA-SHORT TANGENTIAL TONE ARM
- ★ QUARTZ CONTROLLED DIRECT DRIVE
- ★ SERVO-ELECTRONIC TONE ARM FOLLOW-UP



Revox Turntable B790

Blends harmoniously into the complete music system set-up. Possesses characteristic features, which have not been available so far. Direct drive with quartz precision control of the turntable speed and digital display. Foolproof. Any damage either to the disc or the stylus is practically impossible. Tonearm length is only 1.5 inches, it traces the groove just as it was cut.

Technical Data

All figures quoted are minimum performance values normally exceeded by all units.

Turntable drive:	
Quartz-controlled direct drive	
Turntable speeds:	33.33 and 45.00 rpm
Speed accuracy:	± 0.01%
Manual speed variation:	± 7% approx.
Speed indication:	
4-digit LED readout	quartz-precise
Turntable:	diameter 313 mm (12.32 inches)
	weight 1.1 kg (2 lbs 7 ozs)
Run-up time:	better than 2 seconds at 45 rpm
Braking time:	better than 1.5 seconds from 45 to 33.33 rpm
Wow and flutter (as per DIN 45500):	weighted: better than 0.05%
	linear: better than 0.1%
Signal to noise ratio:	better than 65 dB
	(measured with cartridge VMS20E)
Rumble to signal ratio:	weighted: better than 68 dB
	(DIN 45539 B)
	linear: better than 45 dB (DIN 45539 A)
	linear, but with 20 Hz high-pass:
	better than 50 dB (DIN 45539 A)
Tonearm:	
Linear tracking tonearm with servo electronic follow-up control	
Tangential tracking angle error:	less than 0.5°
Skating compensation:	not required with a linear tracking system
Tracking force:	5 ... 20 mN (0.5 ... 2 p)
Tonearm lowering:	electronically controlled, pneumatically damped
Muting:	electronically muted until the stylus contacts the disc
Tonearm follow-up:	opto-electronic sensing with LED as light source, servo-electronics and DC motor
Run-out switch:	automatically activated via servo-electronics
Operating controls:	
Turntable drive:	3 tactile feedback keys for 33.33 and 45 rpm as well as for variable speed operation
Tonearm:	3 tactile feedback keys for fast inward or outward movement plus lowering and lifting of the pick-up cartridge
	cartridge illumination built-in
Automatic functions:	
Swinging the tonearm support in:	turntable starts to rotate at the selected speed
Swinging the tonearm support out:	a) immediate lifting of the cartridge b) tonearm returns to start position (run-in groove of a 12 inch disc) c) electronic braking of turntable
Components list:	29 IC, 30 transistors, 24 diodes, 1 LED 4 7-segment displays, 3 bridge rectifiers
Electric current supply (solder connections):	100/110/120 V ± 10% 200/220/240 V ± 10% 50 ... 60 Hz max. 30 watts

Main fuse:	100 ... 120 V: 0.4 A slow-blowing type	
	200 ... 240 V: 0.2 A slow-blowing type	
Weight:	11 kg (24 lbs 4 ozs)	
Dimensions (W x H x D):	452 x 142 x 382 mm	
	17.8 x 5.6 x 15.03 inches	
Cartridge (optional):	Ortofon	Ortofon
	VMS 20 E MK II	M 20 E SUPER
Frequency range:	20 Hz ... 20 kHz	10 Hz ... 25 kHz
Channel separation:	> 25 dB	> 25 dB
Compliance (µm/mN):	horizontal	40
	vertical	30
Tracking capability (at 300 Hz):	70 µ	80 µ
Recommended tracking force:	15 mN (1.5 p)	12.5 mN (1.25 p)
Stylus tip:	elliptical	elliptical

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REVOX offers complete music systems which consist of the following matching components: tape recorder, tuner, amplifier, turntable and loudspeakers. Please ask for individual leaflets.

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