

Revox PR99 MKIII

Professional Tape Recorder



Designed and manufactured in Switzerland and West Germany, the PR99 MK III draws on the same engineering expertise that has made Studer the world standard for excellence in audio recording.

Applications: Broadcast: on-air playback, production, remote recording. Recording studio: mastering, dubbing.

Features: ● Balanced and floating line-in and line-out ● Calibrated input and output levels (Switch UNCAL = variable up to +10 dB) ● Full logic transport control ● Digital counter in hours, minutes and seconds ● Zero-Locator ● Edit switch ● Tape dump ● Repeat function ● Rack mount flange ● VU meters with adjustable peak LED's ● Remote control ● Fader start ● Built-in vari-speed.

Configurations: Tape speeds: 7.5-15 ips; 7.5-15 NAB or CCIR. Sound heads: two-track stereo, mono, or butterfly head for HS.

REVOX

Technical specifications

	PR99 3.75-7.5 ips, NAB	PR99 7.5-15 ips, NAB
Tape transport mechanism:	3 motor tape drive. 2 AC driven spooling motors. 1 AC driven capstan motor, electronically regulated	
Tape speeds:	3.75 ips and 7.5 ips electronic change-over	7.5 ips and 15 ips electronic change-over
Tolerance from nominal:	±0.2%	
With variable speed:	-33% ... +50%	
Wow and flutter: (DIN 45507/consistent with IEEE standard 193-1971)	For hub diameters ≥ 4.0 inches: at 3.75 ips less than 0.1% at 7.5 ips less than 0.08% at 7.5 ips less than 0.08% at 15 ips less than 0.06% For hub diameters ≥ 2.36 inches: 3.75 ips ≤ 0.1% 7.5 ips ≤ 0.1% 15 ips ≤ 0.1%	
Tape slip:	max. 0.2%	
Reel size:	up to 10.5 inch diameter (min. hub diameter 2.36 inches), tape tension switchable (for small hub diameters)	
Winding time:	approx. 120 sec for 2500 ft of tape	
Tape transport control:	Integrated control logic with tape motion sensor provides for any desired transition between different operating modes. Contactless electronic switching of all motors. Remote control of all functions and electric timer operation are possible. Fader start facilities. Tape dump mode.	
Tape counter:	Accuracy ±0.5% Real-time indication in hours, min., sec. Zero locator Address locator Repeat mode	
Equalization:	3.75 ips: NAB 90-3180 μs 7.5 ips: NAB 50-3180 μs	7.5 ips: NAB 50-3180 μs 15 ips: NAB 50-3180 μs
Frequency response: (measured via tape, at -20 VU)	at 3.75 ips: 30 Hz ... 16 kHz +2/-3 dB 50 Hz ... 10 kHz ±1.5 dB	at 7.5 ips: 30 Hz ... 20 kHz +2/-3 dB 50 Hz ... 15 kHz ±1.5 dB
	at 7.5 ips: 30 Hz ... 20 kHz +2/-3 dB 50 Hz ... 15 kHz ±1.5 dB	at 15 ips: 30 Hz ... 22 kHz +2/-3 dB 50 Hz ... 18 kHz ±1.5 dB
Operating level:	250 nWb/m 0 VU	
Level metering:	VU meter in accordance with ASA standard plus LED peak level indicators (6 dB above operating level, adjustable)	
Distortion:	at: nWb/m: 250	0 VU + 6 dB 500
	3.75 ips: < 1%	< 2.5%
	7.5 ips: < 0.6%	< 1.5%
	15 ips: < 0.6%	< 1.0%
Signal to noise ratio: (measured via tape, ASA-A weighted referred to 500 nWb/m)	Half track: at 3.75 ips < 63 dB at 7.5 ips < 66 dB	Half track: at 7.5 ips < 66 dB at 15 ips < 66 dB
Crosstalk: (at 1000 Hz)	Stereophonic: better than 45 dB Monophonic: better than 60 dB	
Erase depth:	at 7.5 ips better than 75 dB (1 kHz)	
Inputs per channel: (0 dBu ≅ 0.775 V)	Line inputs balanced (input impedance ≥ 5 kohms): Calibrated: + 4 dBu (adjustable -10 ... +10 dBu, referred to operating level) Uncalibrated: Sensitivity ext. variable up to 10 dB above calibrated input. Max. Line Input Level: +22 dBu (>40 Hz)	
Outputs per channel: (0 dBu ≅ 0.775 V)	Line outputs balanced (source impedance 50 ohms): Calibrated: +4 dBu (load 600 ohms) (adjustable -20 ... +9 dBu, referred to operating level) Uncalibrated: Output level ext. variable up to 10 dB above calibrated output Max. Line Output Level: +22 dBu/600 ohms +20 dBu/200 ohms	
	PHONES: max. 5.6 V, internal resistance 220 ohms, short-circuit proof	

Connectors for:	Remote control of tape transport functions. Remote control of variable tape speed. Fader start.
Electric current supply: (voltage selector)	100 V, 120 V, 140 V, 200 V, 220 V, 240 V 50 Hz ... 60 Hz, max. 100 watts
Primary power fuse:	100 V ... 140 V: 1 A slow-blowing 200 V ... 240 V: 0.5 A slow-blowing
Weight:	40 lbs. 12 oz. (18.5 kg)
Ambient Temp. Range:	+40 °F (+7 °C) to +104 °F (+40 °C)
Working position:	Any, between horizontal and vertical

All figures quoted are minimum performance values as measured with 3M 256 tape normally exceeded by all units.
We reserve the right to make alterations as technical progress may warrant.

STUDER REVOX

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