

STUDER REVOX GMBH

Talstraße 7 · D-7827 Löffingen · Telefon 07654-803-0

C270



Lieferbar 1988

REVOX Tonbandmaschine C 270

Die Zweikanal-Tonbandmaschine C 270 dient als Basismodell für die übrigen Typen der C-Serie.

Als Tischmodell konzipiert, ist sie auch für Rack- und Konsolenmontage vorbereitet.

- maximale Spulengröße 26,5 cm
- Bandbreite 1/4" (6,35 mm)
- Bandzugregelung mit Fühlhebel
- Betrieb: horizontal und vertikal
- Geschwindigkeit: 9,5/19 ; 19/38 oder 9,5/38 cm/s über interne Schalter wählbar
- Laufwerksteuerung mit Mikroprocessor-Logik gesteuert unter Einbezug von Bandschalter, Status der Zählerrolle und der Bandzug-Hebelposition
- TAPE-DUMP und Fader-Start möglich
- Bandzähler - Echtzeitanzeige in Stunden, Minuten, Sekunden, entsprechend der gewählten Bandgeschwindigkeit
- Zero-Locator, Adress-Locator und Schleifenbetrieb möglich
- HX-Pro im Aufnahmeschaltmodus
- Anschlüsse: bi-direktionaler RS-232-Anschluß
Fader/Sync-Buchse für Start/Stop-Funktion über ein Mischpult oder den Anschluß an externe Tonmotor-Nachsteuerung
Monitor-Buchse zur Erweiterung durch ein Monitor-Panel
XLR-Line-Eingänge symmetrisch
- Spannung: 100 - 240 V; 50/60 Hz

Ein aufklappbares Keyboard (Bedienungsteil) gibt die modulare Audio- und Entzerr-Steckkarte frei. Dies ermöglicht leichtes Einmessen auf andere Bandsorten bzw. Umrüsten auf andere Bandgeschwindigkeiten.

C270

Technical data

Recorder Format	1/4" tape, 2-track
Tape Transport Mechanism	3 direct-drive motors: 2 AC servo-controlled spooling motors; 1 servo-controlled hall-effect D. C. C-motor
Tape Speeds	3.75 - 7.5, 7.5 - 15 or 3.75 - 15 ips (Field switchable via DIP switches)
Tolerance from nominal	+/- 0.2%
Varispeed range	- 33% to + 50% from nominal
Wow and Flutter (DIN 45507 consistent with IEEE standard 193 - 1971)	at 3.75 ips less than 0.1% 7.5 ips less than 0.07% 15 ips less than 0.05%
Tape Slip	max. 0.2%
Starting Time (DIN)	better than 500 ms a 15 ips
Winding Time	approx. 130 sec. for 3600 ft of tape approx. 90 sec. for 2500 ft of tape
Maximum Reel Size	10.5 inches
Tape Transport	Microprocessor controlled tape end detector, tape motion and tape tension sensors. Tape dump, one hand cueing and fader-start are possible.
Tape counter	Tolerance 0.25%, real time indication in hours, minutes and seconds Zero Loc., Addr. Loc., Search and Repeat Mode.
Equalisation	NAB and CCIR. E. Q. is field convertible via pluggable modules on the record and play electronics. NAB 3.75 ips: 90 - 3180µs; 7.5 ips: 50 - 3180µs; 15 ips: 50 - 3180µs CCIR 3.75 ips: 90 - 3180µs; 7.5 ips: 70µs; 15 ips: 35µs
Frequency Response (via tape, - 20 dB)	at 3.75 ips: 30 Hz to 14 kHz +/- 2 dB; 50 Hz to 8 kHz +/- 1 dB at 7.5 ips: 30 Hz to 18 kHz +/- 2 dB; 50 Hz to 12 kHz +/- 1 dB at 15 ips: 30 Hz to 22 kHz +/- 2 dB; 50 Hz to 16 kHz +/- 1 dB
Frequency Response of Guide Track (SYNC.)	at 3.75 ips: 100 Hz to 5 kHz + 2/- 3 dB; 7.5 ips: 100 Hz to 8 kHz + 2/- 3 dB; 15 ips: 100 Hz to 12 kHz + 2/- 3 dB
Operating Level	257 nWb/m, representing 0 Vu
Level Metering	Vu-Meter in accordance with ASA standard plus 3 LED peak level indicators set at + 6, + 9, and + 12 dB.
Distortion (3rd harm. at 1 kHz)	3.75 ips better than 1.5%, ref. 400 nWb/m 7.5 ips better than 1.2%, ref. 514 nWb/m 15 ips better than 1%, ref. 514 nWb/m
Signal to Noise Ratio (measured via tape * = 514 nWb/m ref. level)	IEC 179
CCIR versions	linear weighted A
	3.75 ips 56 / 61 dB (400 nWb/m)
	* 7.5 ips 58 / 64 dB
	* 15 ips 59 / 65 dB
NAB versions	3.75 ips 56 / 61 dB (400 nWb/m)
	* 7.5 ips 60 / 65 dB
	* 15 ips 59 / 64 dB
Crosstalk at 1 kHz	Stereo > 50 dB; Mono > 70 dB
Erase Depth	at 7.5 ips: better than - 80 dB; 15 ips: better than - 75 dB
Inputs per Channel (0 dBu = 0.775 V)	LINE IN: balanced with transformer, input impedance > 5 kOhm CAL (CCIR): + 6 dBu for 514 nWb/m, adjustable - 10 to + 16 dBu CAL (NAB): + 4 dBu at operating level (0 Vu), adjustable - 10 to + 16 dBu UNCAL: Sensitivity ext. variable up to 10 dB above calibrated input Max. Line Input Level: + 22 dBu for f greater than 40 Hz
Microphone Inputs (retrofitable plug-in module)	Balanced input with transformer Input impedance > 1.2 kOhm (40 Hz to 15 kHz) Sensitivity "LO": - 70 to - 36 dBu; Sensitivity "HI": - 38 to - 8 dBu Max. Input Level: - 8 dBu
Outputs per Channel	LINE OUT: balanced with transformer, (Z out = 80 Ohm), XLR connector CAL (CCIR): + 6 dBu/600 Ohm for 514 nWb/m, adjustable (- 20 to + 15 dBu) CAL (NAB): + 4 dBu/600 Ohm at operating level, adjustable (- 20 to + 15 dBu) UNCAL: Output level variable up to 10 dB above calibrated output Max. Line Output Level: + 22 dBu/600 Ohm; + 20 dBu/200 Ohm
Jack connector (1/4" diam.)	PHONES: Max. 5.6 V at 514 nWb/m; Ri = 220 Ohm, short-circuit proof
8-pol. DIN-connector	MONITOR: Max. 1.8 V at 514 nWb/m; Ri = 4.7 kOhm
Connections for peripherals	RS-232: (serial interface) via 7 pol. connector with supply 24 V/D. C. for remote control or external Locator FADER/SYNC: Access for ext. faderstart, C-Motor Synchronisation, and connections of Data head. MONITOR: Audio signal for monitor link incl. 24 V/D. C. supply.
Electric current supply (Voltage Selector)	100 V, 120 V, 140 V, 200 V, 220 V, 240 V 50 to 60 Hz, max. 125 W
Power fuse	100 to 140 V: T 3.15 A, 200 to 240 V: T 1.6 A (Slow-Blow)
Power Cord Connection	3-poles with ground protection
Operation Conditions / Ambient Temp range	+ 10 to + 40°C (+ 50 to + 104°F)
Relative Humidity (DIN 40040)	Class F
Working position	Any, between horizontal and vertical
Weight	23 kg (51 lbs)
Outer Dimensions (W x H x D)	19 x 17,5 x 8 inches; 482 x 443 x 202 mm with Rackmounts
Housing dimensions (W x H x D)	17 x 17,5 x 8 inches; 434 x 443 x 202 mm without Rackmounts
Inserting width (incl. rackmounts)	17,4 inches; 442 mm
Tape type used for specs measurements	AGFA PEM 468 (CCIR Version); 3M 226 (NAB Version)