

**Scully 284 Series
8 & 12 Channel
1 inch Master
Tape Recorder**

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Description:

The Scully 284 Series is an eight or twelve channel, one inch, master recorder designed in the traditional Scully manner to meet the exacting requirements of multi-track recording. Its outstanding reputation for reliability is well deserved.

Electronics: All solid-state, equipped with selective synchronization, and Sync/Master® facility.

Transport: Precision machined for optimum performance and durability. Three motor drive system. Advanced tape handling. Motion sensing logic controls braking. Spillage and breakage of precious master tapes are eliminated. Automatic tape lifter keeps tape off heads while rewinding until tape motion stops.

Added Features:

- Output level calibrate position
- Accepts Scully Index/Master® and Scully Sync/Master® as optional accessories
- Improved sync response
- Accepts optional adjustable guides and 1/2" head assemblies for 1/2" operation



Specifications:

Configurations: 8 or 12 channel on 1" tape

Tape Speed: 7 1/2/15 ips or 15/30 ips

Mounting: Suitable for rack mounting, portable cases or custom floor console

Power Requirements: 115 Vac, 50/60 Hz, 325 Watts

Tape Transport Controls: Power On/Off, Record, Rewind, Fast Forward, Stop, Start, Speed/Equalization Change, Edit, individual reel tension switches

Reel Size: Up to 11 1/8"

Start Time: Play speed in 0.1 second

Timing Accuracy: 99.9%

Rewind Time: Approximately 75 seconds (2400 Ft. NAB Reel)

Frequency Response: ± 2 db, 50 Hz to 15,000 Hz at 30 ips; ± 2 db, 35 Hz to 15,000 Hz at 15 ips; - 3 db, + 2 db, 50 Hz to 15,000 Hz at 7 1/2 ips

Signal to Noise Ratio: Reference + 10 dbm using 3M 202 or equal, 63 db

Flutter & Wow: (All components between 0.5-250 Hz) 30 ips—.06% RMS or better; 15 ips—.08% RMS or better; 7 1/2 ips—.01% RMS or better

Electronic Alignment Controls: *Visible Controls:* Record Level, Function Switch, Monitoring and Meter Switch, Playback Level, Line Termination Switch

Maintenance Controls: (located under dress strip): Noise Balance, Playback Equalization, Record Equalization for High and Low Speeds, Linearity Test Push-Button, Linearity Control, Record-Calibrate, Reference Set, Bias Adjust, Bias Calibrate, Bias Tuning

Distortion: (Playback Amplifier)—less than 0.5% Total Harmonic Distortion at + 18 dbm

Equalization: NAB Curve Equalization standard; CCIR Equalization available on special order. Capstan Speed Switch selects appropriate selection

Bias Frequency: 180 KHz

Erase Frequency: 60 KHz

Output: + 4 or + 8 dbm from 600-Ohm Balance Line. (Machines are factory prepared with + 4 dbm = Zero VU)

Input: Bridging (600 Ohm balanced or unbalanced line) Microphone, Low Impedance (150-250 Ohms)

Input Impedance: 10K (line)

Remote Transport Controls: Record, Rewind, Fast Forward, Stop, Play, Tape Lifter Defeat

Remote Amplifier Controls: Record, Safe and Sync for all tracks; Master Ready and Safe

▶ Scully

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