

**Scully 280 Series
Professional
Solid State
Tape Recorder**

280



Description:

The Scully 280 professional tape recorders have long been regarded as the standard of the Industry. Handsome control center features functions in operations-oriented sequence. Famous Scully smooth action tape lifters (with instant access to manual override), and new Scully Motion Sensing, keeps the 280 heads above all others in its class.

Electronics: All solid-state engineering. Separate microphone and line amplifiers and input transformers are standard. Scully's exclusive Playback Calibration control is a rapid, reliable means of maintaining playback level. Scully's exclusive plug-in head assemblies . . . allowing mono or stereo with a single tape unit . . . bring a new dimension to tape recording.

Added Features:

Added control center features include Edit Control Switch, sweep loading tape path and hum shield lock.

- Patented disc brakes
- Selective Synchronization, for multi-channel over dub effects available (optional)
- Patented Linearity Control, for low distortion performance
- Scrape filter for recording excellence
- Tapped transformers for lowest operating temperatures

Specifications:

Configurations: 1/4" — 1 or 2 Channels, 1/2" — 3 or 4 Channels

Tape Speed: 3³/₄-7¹/₂ ips; 7¹/₂-15 ips; other speeds on special request

Mounting: Available unmounted for rack mounting, in console or portable cases

Power Requirement: 117 Vac, 50/60 Hz, 275 Watts

Transport Controls: Power On/Off, Record, Rewind, Fast Forward, Stop, Play, Speed Change Switch, Edit, Individual reel size switches, All relays and solenoids 24 Vdc plug-in relays

Remote Controls: Record, Rewind, Fast Forward, Stop, Play

Electronic Alignment Controls: *Exposed Controls:* Record Level, Function Switch, Monitor/Meter Switch, Playback Level

Concealed Controls: Playback Equalizer, Playback Calibrate, Record Equalizer for High and Low Speeds, Linearity Control, Linearity Test Button, Bias Adjust, Bias Tuning, Bias Calibrate, Noise Balance, Record Calibrate

Reel Size: Up to 11¹/₈" (280 SP/14 units up to 14")

Start Time: Play speed in 0.1 seconds

Stop Time: At 15 ips tape moves less than 1¹/₂" after depressing stop

Timing Accuracy: 99.9% ± 1.5 secs. for 30-min. tape

Rewind Time: Approx. 75 secs. (2400 Ft. NAB Reel)

Frequency Response: ± 2 db 30 Hz to 15,000 Hz @ 15 ips; + 2 - 3 db 50 Hz to 15,000 Hz @ 7¹/₂ ips; + 2 - 3 db 50 Hz to 7,500 Hz @ 3³/₄ ips

Signal to Noise Ratio: Peak record level to noise using 3M 202 or equal, at 7¹/₂ and 15 ips. Measurements made relative to 6 db above normal operating level. This is not the 3% distortion point which occurs at 9 db above operating level

	Weighted (db min) (ASA "A" Curve, Standard S1-4)	Unweighted (db min) (30 Hz - 18 KHz Band)
Full Track, 1/4"	70	65
2-Track, 1/4"	68	63
4-Track, 1/2"	68	63
8-Track, 1"	68	63
12-Track, 1"	61	56

Flutter & Wow: 15 ips 0.08% or better; 7¹/₂ ips 0.1% or better; 3³/₄ ips 0.2% or better

Equalization: Transport Speed Switch Controls Equalization Change, follows NAB curve. CCIR available

Bias Frequency: 180 KHz

Erase Frequency: 60 KHz

Output: + 4 or + 8 dbm (+ 18 dbm peak) 600 Ohm balance Line

Input: Bridging (600 Ohm balanced or unbalanced) Line Level; Microphone

Monitoring: Separate Record and Playback Amplifiers permit tape monitoring while recording

Edit Function: Edit button permits tape to move in "play mode" without winding on takeup reel

Playback Amplifier Distortion: Less than .5% THD at + 18 dbm

280

▶ Scully

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