

TASCAM

32

2-track Recorder/Reproducer

34B

4-track Recorder/Reproducer



2- and 4-track Basics: Smooth Handling, Reliability, and Great Sound

The TASCAM 32 two-track and 34B four-track machines have been around for quite a while. With good reason. Both offer the essentials of two- and four-track recording with consistently superior reliability, handling and sound. No bells and whistles. Just good, solid quality all around. They're priced right, too—a fact that is attested to by the many professionals and amateurs who depend on these fine machines for work (and pleasure). Both the 32 and 34B are also remarkably lightweight, so they're ideal for portable/mobile setups.

In terms of applications, the 32 has carved out a niche as a high-performance stereo mastering machine. It is also often chosen for dedicated playback for sound and A/V produc-

tion, sound reinforcement, broadcast, theater, clubs, restaurants, churches, and many, many more applications. The four-track format of the 34B has made it the recorder of choice for small multitrack recording applications as well as multi-image mastering (four tracks provides space for stereo music, narration, and a control-signal track). You'll also find the 34B in video post-production studios and countless other production situations.

If it's two- or four-track open reel you need, remember: there are a number of very good reasons why the TASCAM 32 and 34B rank among longest-running best-sellers in the field.

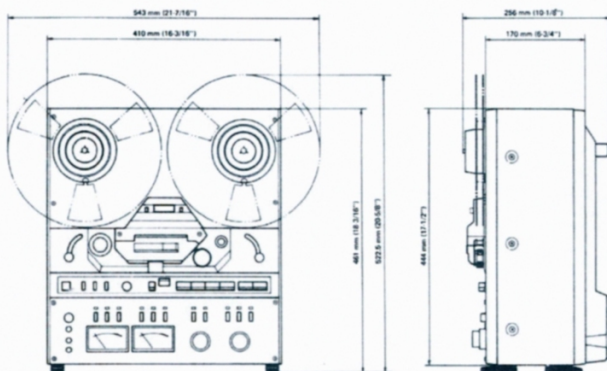
FEATURES

- * 10-1/2 or 7 inch tape reels
- * Selectable 38 or 19 cm/s (15 ips or 7-1/2 ips) tape speeds.
- * Durable FG servo DC capstan motor and 2 slotless DC reel motors.
- * Microprocessor-controlled full logic transport.
- * Precision digital tape counter with Zero Return function.
- * $\pm 12\%$ pitch control.
- * Bipolar power supply.
- * DC configuration amplifier.
- * Alignment trimmers on the plug-in PCB are readily accessible behind the bottom panel.
- * Overdubbing capability.
- * Punch in/out capability.
- * Dump Edit function.
- * Cueing lever.
- * Microphone input with switchable 20 dB pad on each channel.
- * Input and output level controls on each channel.
- * Headphone jack with level control.
- * Hinged head cover.
- * One touch reel clampers.
- * Precision VU meters.

OPTIONS

- * Remote Transport Control Unit RC-71
- * Remote Punch In/Out Footswitch RC-30P
- * Rack Mount Kit RM-300
- * dbx Noise Reduction Unit DX-4D (for 34B). DX-2D (for 32)

DIMENSIONS



*The 32 and 34B have the same dimensions.

SPECIFICATIONS

MECHANICAL CHARACTERISTICS

Tape:	1/4 inch, 1.5 mil
Track Format:	34B: 4-track, 4-channel 32: 2-track, 2-channel
Reel Size (max.):	10-1/2", NAB,
Tape Speed:	15 ips (38 cm/s), 7-1/2 ips (19 cm/s) Switchable
Speed Accuracy:	$\pm 0.8\%$ deviation
Pitch Control:	$\pm 12\%$
Wow and Flutter:	15 ips: $\pm 0.06\%$ peak (DIN weighted) 7-1/2 ips: $\pm 0.09\%$ peak (DIN weighted)
Fast Wind Time:	90 seconds for 10-1/2" reel, 2,400 feet
Capstan Motor:	FG servo DC motor
Reel Motors:	Slotless DC motor $\times 2$
Head Configuration:	3-heads; erase, record/sync and reproduce
Weight (net):	44 lbs. (20 kg)

ELECTRICAL CHARACTERISTICS

Mic Input:	-60 dBV, -40 dB (with pad)/10 k ohms, unbalanced
Line Input:	-10 dBV/50 k ohms, unbalanced
Line Output:	-10 dBV/1 k ohms, unbalanced
Bias Frequency:	150 kHz
Equalization:	34B: NAB 32: NAB/IEC internally selectable.
Operating Level:	250 nWb/m
Power Consumptions:	34B: 73 W 32: 70 W

TYPICAL PERFORMANCE

Frequency Response (Overall)	15 ips: 40 Hz-22 kHz, ± 3 dB at 0 VU 40 Hz-22 kHz, ± 3 dB at -10 VU 7-1/2 ips: 40 Hz-16 kHz, ± 3 dB at 0 VU 40 Hz-20 kHz, ± 3 dB at -10 VU
Total Harmonic Distortion:	0.8% at 0 VU, 1,000 Hz, 250 nWb/m 3% at 13 dB above 0 VU, 1,000 Hz, 1,120 nWb/m
Signal-to-Noise Ratio: (Reference 3% THD at 1 kHz)	15 ips: 68 dB A weighted (NAB) 7-1/2 ips: 66 dB A weighted (NAB)
Adjacent Channel Crosstalk:	Better than 50 dB down at 1,000 Hz, 0VU
Erase:	Better than 65 dB at 1,000 Hz, +10 VU
Recording Amplifier Headroom:	Better than 25 dB above 0 VU at 1,000 Hz

- * dbx is a registered trademark of dbx incorporated.
- * In these specifications: 0 dBV is referenced to 1.0 Volts rms.
- * Changes in specifications and features may be made without notice or obligation.

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