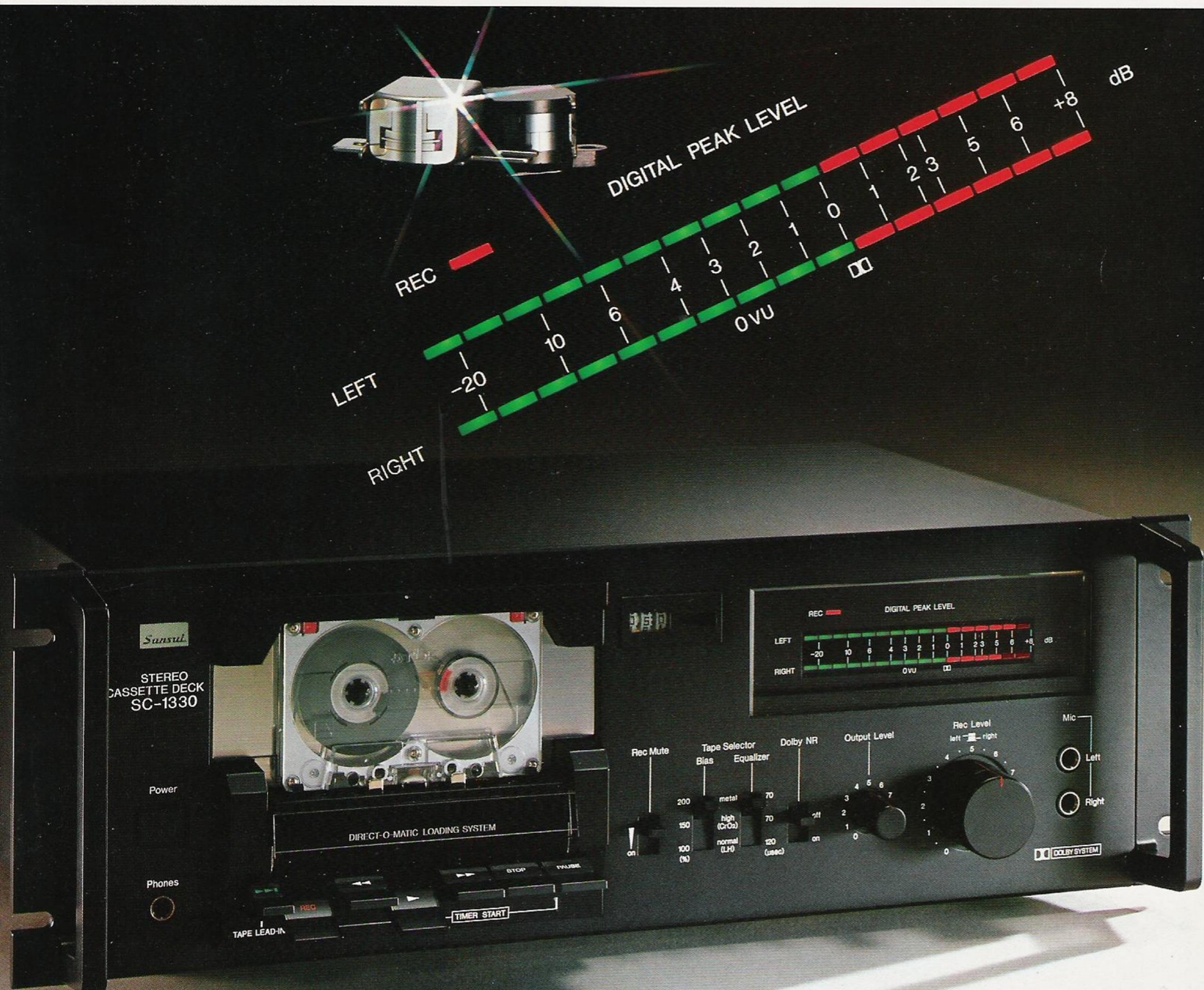


SC-1330 | Metal-Tape-Capable

Sansui Metal-Tape-Capable Direct-O-Matic Stereo Cassette Deck with Dolby Noise Reduction System & 2-color LED Meter.

Sansui

Only hi-fi, everything hi-fi.



MADE FOR METAL!

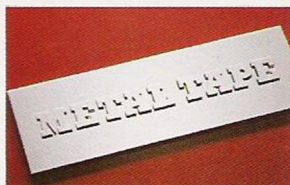
The "ideal" tape for which cassette deck fans have been waiting has arrived! It's the new "metal" tape, and, you'll be pleased to know, the Sansui SC-1330 is fully capable of playing and recording on this superior new tape.

The new metal tape is head and shoulders above previous high performance tape in terms of frequency response, dynamic range, distortion, and signal-to-noise ratio. Sansui has made sure that you can take full advantage of all these benefits by developments like the FH*

Head, the double-gap ferrite erase head, and a bias and equalization position for metal.

And you'll find other Sansui advantages apart from metal tape capability, Sansui-exclusives like the Direct-O-Matic System, and the Tape Lead-In System. And other advantages like the LED peak bar level indicator. All on the SC-1330. From Sansui, where it's all hi-fi.

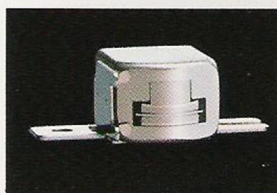
* Sansui formulation of sendust material.



Now It's Here! A Tape with Twice the Information Storage and Reproduction Capacity of Conventional High Performance Types.

Metal tape uses tiny particles of pure iron as magnetic material to achieve twice the information storage and reproduction capacity of previously-developed chrome oxide tape. The magnetic characteristics in relation to cassette tape performance are quite different from conventional tape: Residual Magnetic Flux Density (Br) is twice that of conventional tape, meaning that the Maximum Output Level (MOL) can be increased enormously by approximately 10dB in the high fre-

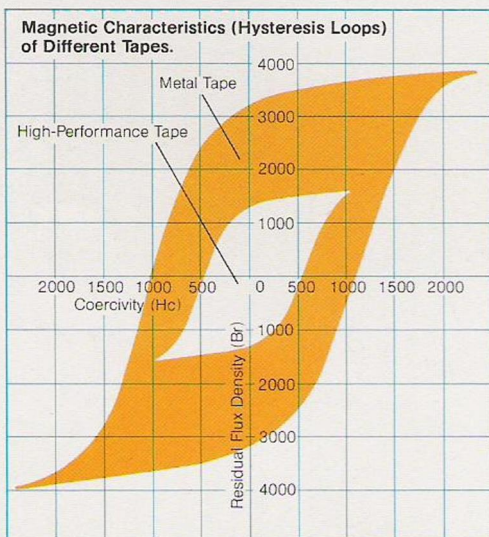
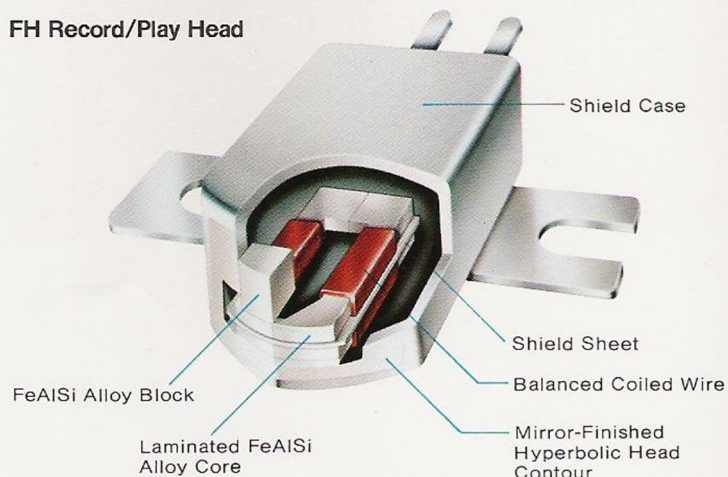
quencies, and much higher magnetic storage capacity is realized across the entire range. Frequency range and the dynamic range of the high frequencies have been expanded, and distortion and signal-to-noise ratio have gleaned wide-scale improvement all due to the higher MOL. The Sansui SC-1330 has a setting position for metal tape.



Ultra-Hard FH Record/Playback Head for the Full Potential of Metal Tape.

Sansui has developed the FH Head to take full advantage of the potentials of metal tape. Conventional heads saturate during recording with metal, making it impossible to realize the superior sound quality metal tape brings to recording. Our new head uses a special Ferric Aluminum Silicon (FeAlSi) alloy for extra hardness and a magnetic flux density more than sufficient to withstand the high bias current required by metal tape *without* saturating. Linearity is superb right up into the highest frequencies; metal tape performance at its super best. We also

FH Record/Play Head



extended linearity down to the lowest audible frequencies by mirror finishing the head's surface to a *hyperbolic* curve, so that contour effect is reduced to a negligible level.

FH Alloy to the Core.

The tape contact area of the recording head is permeated with magnetic current produced by coils wound around the head's core; musical signals are then recorded on the tape with the magnetic current. Not only does Sansui's new head use ultra-hard ferric Aluminum Silicon (FeAlSi) alloy across the tape contact area; it uses this superb alloy right into the head's core, for a reliable one-body construction. Magnetic transfer, or magnetic permeability characteristics, are much better than if we had used different materials for the core and the tape contact surface. Transient response is near flawless; even rapid, pulsive signals in the high frequencies are reproduced with unprecedented accuracy.

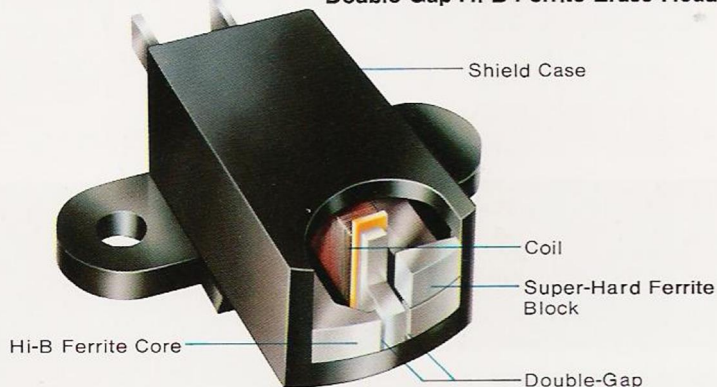
The advantages don't stop there. Frequency response is wide (20–18kHz); distortion lower; and signal-to-noise ratio higher (69dB). Channel separation is an incredible 45dB. And since all surfaces coming into contact with tape are made of the Ferric Aluminum Silicon (FeAlSi) alloy, abrasion is consistently low. All of these advantages contribute to better performance with conventional tape formulae as well.



Double-Gap Erase Head with the High 70dB Erasability Required by Metal Tape.

Since metal tape has a high coercivity (HC) and a low demagnetization factor, thorough erasure is a thorny problem. In the SC-1330, Sansui has used a brilliant new erase head using a double gap construction and a new variety of ferrite capable of withstanding a 200% increase in bias current and achieving the necessary high magnetic flux density. The double gap construction makes erasure doubly complete: the erasability factor is over 70dB.

Double-Gap Hi-B Ferrite Erase Head



Sansui's Own DIRECT-O-MATIC, One-Touch TAPE LEAD-IN and REC MUTE, More...

High-Performance Heads, Super-Accurate Tape Transport for 0.05% Wow/Flutter (WRMS), 20–18kHz Frequency Range, High 69dB S/N Ratio.

Proof of the advantages of high-quality features like Sansui's new metal-capable FH head, the double-gap erase head and a 3-stage direct-coupled equalizer amp can be found in spectacular performance standards like: 20 to 18kHz frequency range, and the 69dB signal-to-noise ratio (with the Dolby Noise Reduction* system on the deck in operation, metal tape). The motor provides near-perfect performance thanks to high-quality parts and the stability provided by its precision DC system. The large flywheel and capstan, centerless-ground to a roundness factor of 0.1μ, ensure smooth drive, with wow and flutter kept below 0.05% (WRMS).

The Direct-O-Matic System, a Sansui First, For Greatly Reduced Wow/Flutter & the New Roller-Coupled Hold Back Tension Mechanism.

Sansui's Direct-O-Matic system is a unique way of holding cassettes *without* a compartment. Advantages include: better tape handling, easier head and mechanism maintenance, easier viewing of the tape.

We've brought even better performance to this system by developing a new "roller-coupled hold back tension" system, which applies the proper tension to the supply reel and tape for smooth tape transport and greatly improved wow and flutter. With this new system, cassette tape tension is as accurate as on open reel decks.

Sansui's Original One-Touch Rec/Play Tape Lead-In.

Sansui's unique Tape Lead-In device advances tape past the first 45cm or so where dropouts in recording are likely to occur due to contact wow and flutter caused by defects in the tape. We've made this device, essential to good recording, even more convenient by using a one-touch button for easy safe operation and placing it on the front panel. It can be used for playback as well as recording.

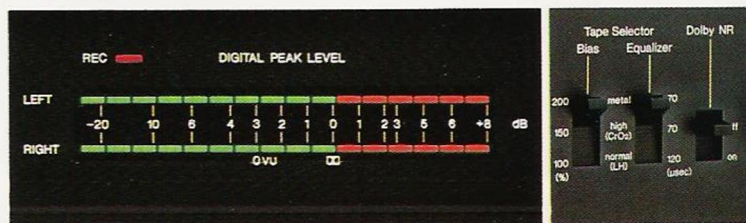


REC MUTE: Silence is Beautiful.

Use this feature when you want moments of silence between taped selections. One-touch operation during recording creates a silent break on your tape. Use it in combination with the PAUSE button for additional convenience.

Other Hi-Fi Features.

- 32 LED DIGITAL PEAK LEVEL METER with 2-color indication, extra accurate thanks to IC backup.
- INDEPENDENT BIAS/EQ SWITCHES with special positions for METAL.
- BUILT-IN DOLBY NOISE REDUCTION SYSTEM in a dependable IC reduces tape hiss and improves signal-to-noise ratio by 10dB or more above 5kHz.

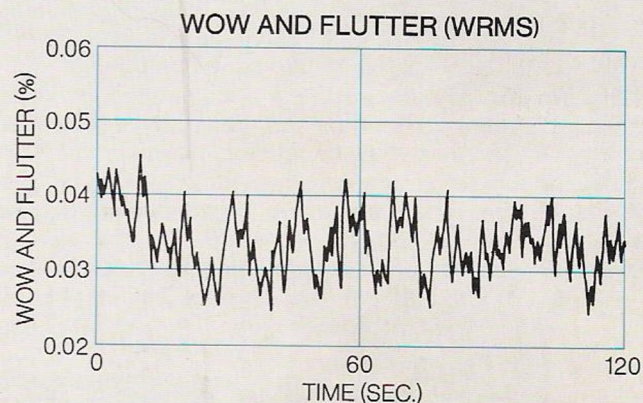
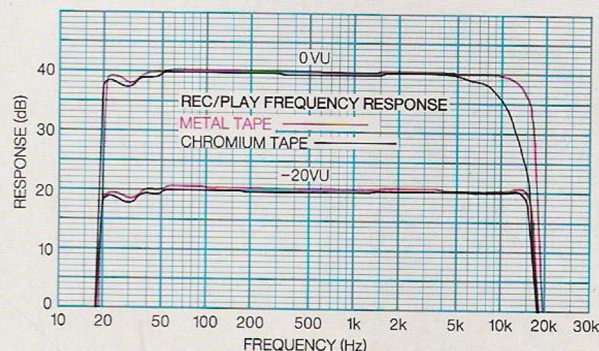
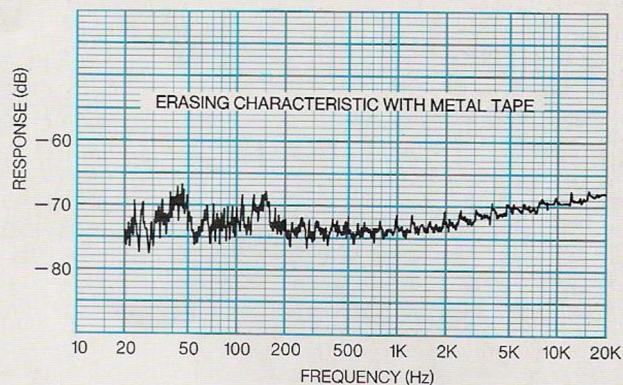


- TIMER RECORDING capability allows automatic, unattended start of recording with a connected timer such as Sansui's AT-15L.
- CASSETTE AND COUNTER ILLUMINATION allows easier viewing of cassette tape and counter. Cassettes are lit from behind.
- SEPARATE L/R MIC INPUTS assure the best possible results from mics of any quality.
- FULL-AUTO SHUTOFF and QUICK CHANGE MODE FACILITY.
- HEADPHONE JACK and smart SANSUI looks.
- REC/OUTPUT LEVEL Controls.

*"Dolby" is a trademark of Dolby Laboratories.

Specifications

TRACK	4-Track (2-Channel) Record/Playback
TAPE SPEED	4.8cm/sec. (1 7/8 ips)
HEADS	REC/PB (FH Head) Erase (HiB Double-Gap Ferrite)
MOTOR	Electronically Controlled DC Motor
WOW & FLUTTER	within 0.05% (WRMS)
TAPE SPEED ACCURACY	within $\pm 1.5\%$
FAST WIND TIME	Approximately 75 seconds (C-60)
FREQUENCY RESPONSE (RECORD/PLAYBACK)	
METAL TAPE (-20VU)	20-18,000Hz, 20-16,000Hz ± 3 dB
METAL TAPE (0VU)	20-13,000Hz ± 3 dB
CHROMIUM TAPE (-20VU)	20-17,000Hz, 20-16,000Hz ± 3 dB
CHROMIUM TAPE (0VU)	20-9,000Hz ± 3 dB
NORMAL TAPE (LH) (-20VU)	20-16,000Hz, 20-15,000Hz ± 3 dB
SIGNAL TO NOISE RATIO (RECORD/PLAYBACK)	
METAL	59dB (without DOLBY) (Weighted, at 3% THD, 1kHz)
	69dB (with DOLBY) (Above 5kHz, at 3% THD)
ERASURE FACTOR	
METAL TAPE	more than 70dB
INPUT SENSITIVITY AND IMPEDANCE (0VU, 1kHz)	
MIC (LEFT, RIGHT)	0.3mV, 200-5k ohms
LINE	70mV, 100k ohms
OUTPUT LEVEL (0dB=+3VU=200pwb/mm)	
LINE	390mm (output control max. imp. 47k ohms)
PHONES	65mV/8 ohms
BIAS FREQUENCY	85kHz
SPECIAL FEATURES	Direct-O-Matic Loading, One Touch Tape Lead-In, Roller Back Tension Mechanism, Timer Record/Play, Illuminated Memory Tape Counter, Bias/Equalizer Selector Switches, LED Peak Level Meter, Direct Change Mechanism
POWER REQUIREMENTS	
VOLTAGE	100, 120, 220, 240V 50/60Hz
CONSUMPTION	12 watts (Rated)
SEMICONDUCTORS	33 Transistors; 4 ICs; 14 Diodes; 33 LEDs
DIMENSIONS	430mm (16 1/8") W 160mm (6 3/8") H 320mm (12 5/8") D
	with Rack-mounting Adaptors
WEIGHT	6.6kg (14.6lbs.) Net
	with Rack-mounting Adaptors
	6.85kg (15.1lbs.) Net 8kg (17.6lbs.) Packed



Design and specifications subject to change without notice for improvements.



DM-11 Unidirectional Dynamic Microphone
EM-1 Unidirectional Electret Condenser Microphone

AX-7 "Audio Console" Home Disco Mixer Control Amplifier
MA-7 "Monitor Console" with Cue Monitor Speakers
MS-1 Microphone Boom Stand with Arm



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