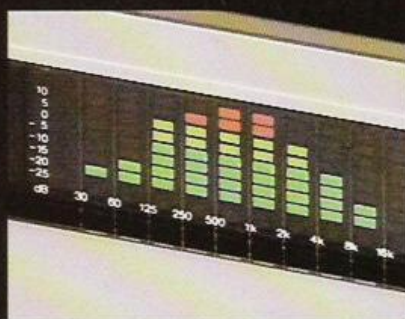


OPTONICA 9100 Series



The audio spectrum analyzer in the SX-9100H/HB

SX-9100H/HB Stereo Power Amplifier with Pure FET Amp Circuitry

2 x 130W RMS output power (1kHz at 4 ohms with 0.005% T.H.D.)

The development of a new high-voltage MOS FET enabled Optonica to use only the best amplifier element available – the FET – in all circuitry related to the audio signal in the power amplifier of the 9100 Series. The addition of pure DC circuitry and dual-FET cascode differential input and drive stages assures audio fidelity. Stability is guaranteed by the Toroidal power transformer and dual output stage power supplies. An innovative heat pipe makes it possible to place the MOS FETs near the circuit board to ensure optimum phase and frequency response characteristics. And to complement its superior performance levels, the SX-9100H/HB offers a unique audio spectrum analyzer and 3-colour fluorescent digitron power displays for precision monitoring.

*"Dolby" and the "Double-D" symbol are trademarks of Dolby Laboratories, Inc.



Separate right and left Toroidal power transformers used in SX-9100H/HB

SO-9100H/HB Stereo Preamplifier with Pure FET Amp Circuitry

RIAA Deviation: ± 0.2 dB (20Hz - 20kHz).

The preamplifier in the 9100 Series also relies on the superiority of the FET in all stages of its circuitry for audio immediacy close to vacuum-tube levels with efficiency and distortion suppression up to transistor standards. Transient characteristics are enhanced by the pure DC circuitry, while linearity is improved with Optonica's exclusive

enhanced differential first-stage equalizer circuitry. An MC head amp that is also ICL pure FET circuitry works with 3-stage phono input impedance and capacitance selectors to ensure extra versatility in phono hook-ups.

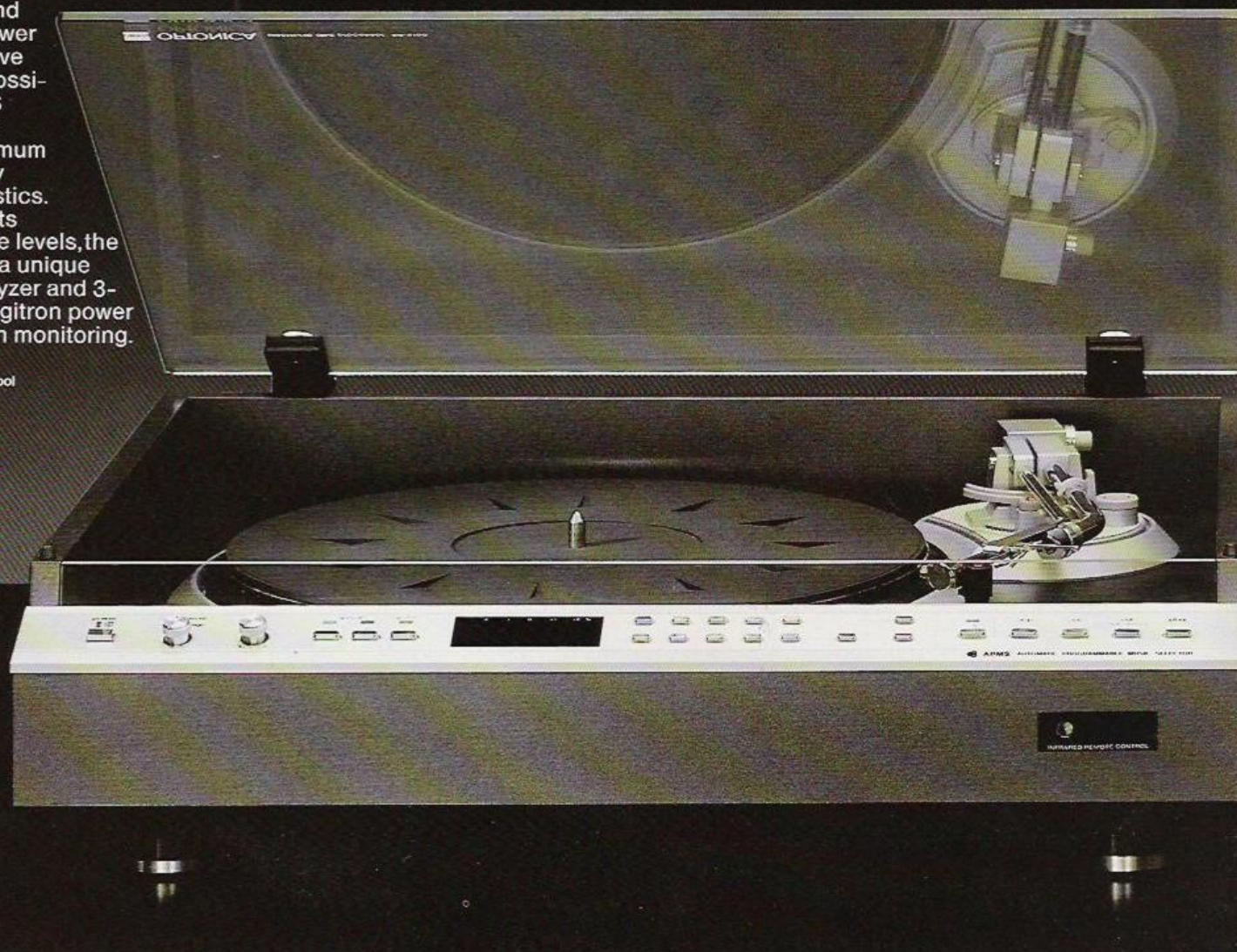
ST-9100H/HB FM/AM Stereo Synthesizer Tuner with Microprocessor

FM DIN Sensitivity (mono, 40kHz dev., S/N 26dB): $1.4\mu\text{V}$. The quartz PLL synthesizer tuning system in the ST-9100H/HB ensures super-precise, super-stable reception. This accuracy is fully utilized thanks to the incorporation of high-selectivity linear-phase ceramic IF filters and a precision pilot signal canceller. The addition of a microprocessor to the impressive performance guaranteed by this advanced system greatly diversifies and simplifies tuning operations. Frequency range and Zone Search Systems, direct frequency tuning, an auto

search system and 10 presettable station memories are all provided. An array of other sophisticated features finishes off this picture of tuning perfection.

RT-9100H/HB Electronic Tape Processor with 2-Motor, Dual-Capstan Drive, Quartz PLL Servo Capstan Motor, APMS, APSS and Remote Control

Wow & Flutter: $\pm 0.12\%$ (DIN 45 500). The RT-9100H/HB has been designed to provide the best possible performance with the ultimate in convenience and control. To optimize performance, it has a 2-motor closed-loop dual-capstan drive system with a quartz PLL servo capstan motor, a microprocessor-controlled tape tension adjustment system, a 4-head design with dual Sendust recording and playback heads, a 4-position tape selector plus double Dolby* circuitry. Then, to maximize user control, this unit provides Sharp's unique APMS (Auto Programmable



Music Selector) to allow complete freedom in programming tape selection playback order, plus APSS (Auto Program Search System) for one-touch skipping and repetition of songs. Unsurpassed convenience is also ensured with a host of advanced functions, including microprocessor solenoid controls and a remote control system.

RP-9100H/HB
Direct Drive Stereo Turntable with Quartz Double-Locked Motor, APMS and Remote Control

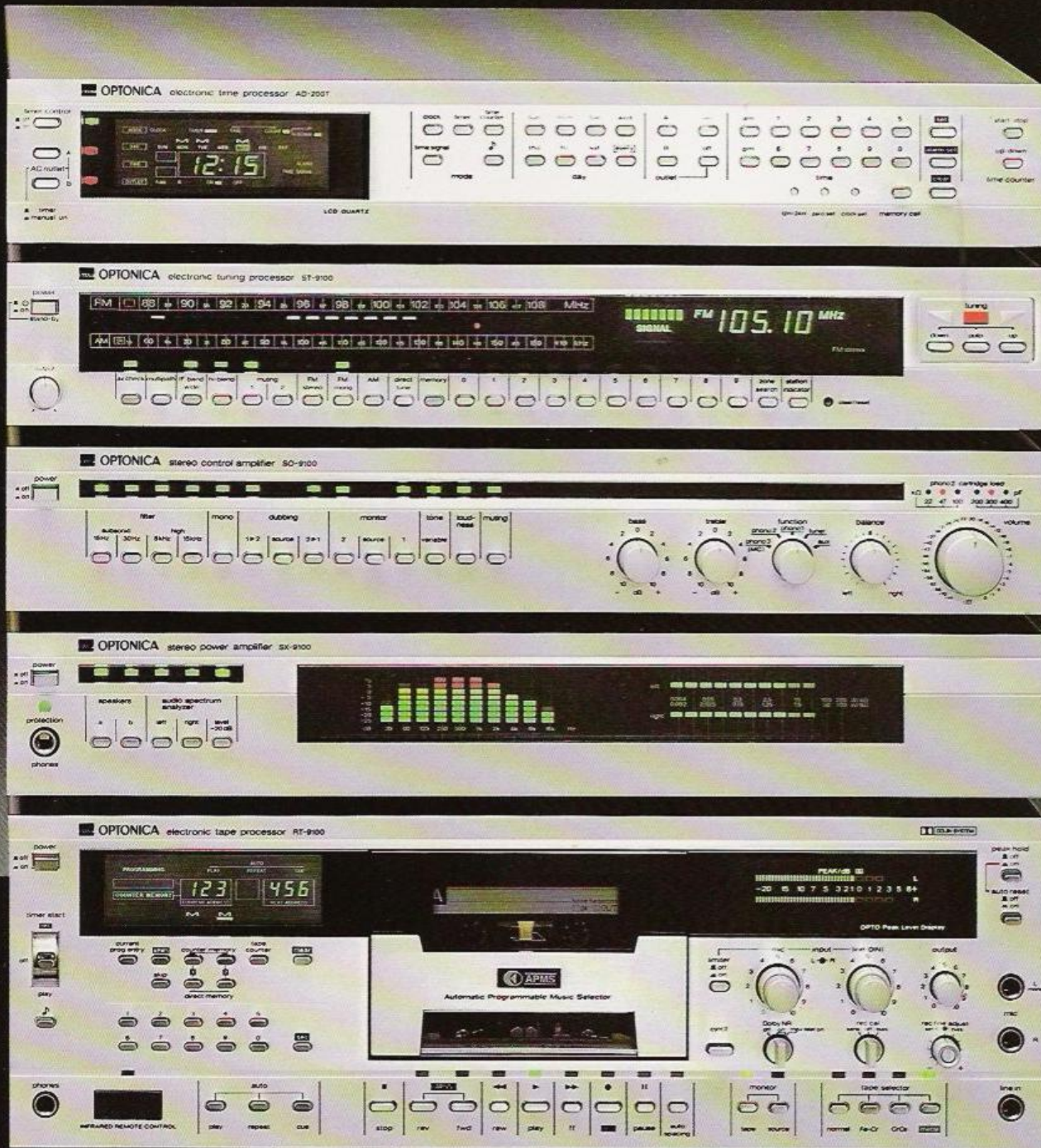
Wow & Flutter: ±0.045% (DIN 45 507)
 This revolutionary turntable combines maximum audio fidelity with unprecedented operational versatility. Performance is optimum with a quartz double-locked servo system, Mono Torque DC coreless platter motor, direct drive, separate arm motor and J-shaped tonearm. APMS (Auto Programmable Music Selector) then sets the listener free to program song playback order, while a full-function remote control unit and auto record size-speed selector maximize convenience. Extra advanced features include a special sensor arm, a digital



APMS sensor tonearm speed accuracy display and soft-touch front-panel controls.

AD-200TH/THB
Programmable Quartz Timer

Programming capacity: up to 42 automatic operations per week. To provide maximum versatility in automatic stereo system operation, this quartz timer offers 4 AC outlets wired in two independently-programmable sets, plus a special socket for synchronization of the cassette running time counter with the tape transport mechanism of the RT-9100H/HB or the RT-7100H/HB. The core of this precision timekeeping system is the quartz oscillator. Programming is by day of the week with an 'every day' function also included. The time counter can be used to keep track of either the running-time or the remaining-time of a cassette and includes a pause function that stops the counter during breaks.

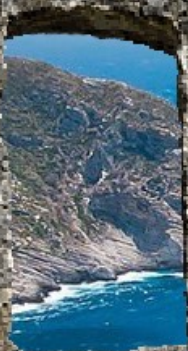


Models with H/HB following the model number are available in brown metallic as well as in silver metallic.



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MUSIC

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Or press finger HERE