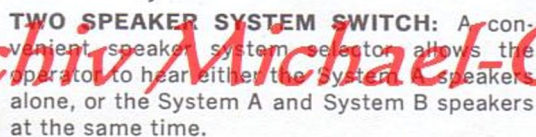


300Ω AND 75Ω ANTENNA INPUTS: Both 75Ω and 300Ω antennas can be used with the 350.

COST OF IMPEDANCE. 4-102



HEADPHONE JACK For quiet, private listening.
NOISELESS SWITCHES Specially designed and arranged for convenience.

Printed in Japan (09005K5)

SANSUI 350



AM/FM MULTIPLEX STEREO TUNER AMPLIFIER If you've been looking—and listening—for large receiver performance in the medium power field, we invite you to see and hear the Sansui 350. This all-silicon solid state is unquestionably the finest stereo performer under 50 watts. It offers a full 46 watts in total output, a power bandwidth from 30 to more than 20,000Hz, and a distortion factor that never exceeds a low 1% at any listening level. It also offers the highest standards in FM

sensitivity and selectivity with a new Field Effect Transistor (FET) and 3-gang capacitor frontend. Plus automatic stereo switching with a high stereo separation figure of better than 30dB. Other features that make the 350 a standout in any price range include a new noise canceler, short-free speaker output terminals and the ability to power up to two speaker systems at the same time. For a new experience in stereo listening pleasure, make it a point to hear the Sansui 350.

sansui

FET FRONTEND: The latest FET circuitry and a 3-gang capacitor in the RF stage gives the 350 exceptional sensitivity for better FM reception ($2.5\mu\text{V} \pm 3\text{db}$ at an S/N ratio of 20db and 30% modulation). Its high performance and stability are also evident in its improved cross modulation and image rejection figures, improved interference eliminating capabilities and substantially enhanced S/N ratio. The adoption of an AGC circuit further ensures superior selectivity in strong signal areas.

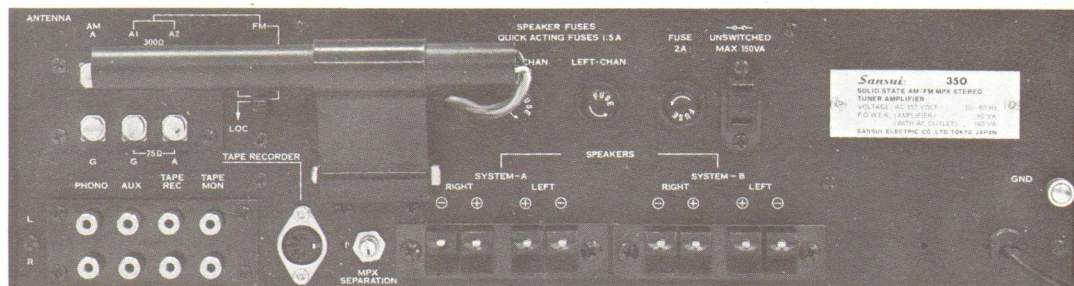
4-STAGE IF SECTION: The superior limiting achieved by both 4-stage IF amplifier and 3-stage limiter circuits makes possible truer amplification and higher stability, in addition to reduced noise and low distortion factors. Remarkably clear reception is assured in both strong and weak signal areas. Particularly in very congested signal areas, the unit's excellent interference eliminating capabilities enable it to maintain a capture ratio of 3db or less and selectivity of 50db.

NEW NOISE CANCELER: Unlike the conventional high-cut filter, the 350's new noise canceler eliminates noise on FM stereo broadcasts without weakening the high frequency characteristics of the programs. Combined with the 3-stage limiter, it assures flawless reception at all time.

FM STEREO SEPARATION: Incorporating the most advanced switching matrix system available in its FM MPX circuit, the 350 offers channel separation of better than 35db while holding distortion below 1% at 1,000Hz.

AUTOMATIC FM STEREO/MONO SWITCHING: With the program selector set in the FM AUTO position, the 350 automatically switches from mono to stereo as soon as the broadcasting signal changes. Reception of stereo broadcasts is indicated automatically by an indicator lamp. The 350 will also revert automatically to mono if the noise level is too high for relaxing stereo listening.

300 Ω AND 75 Ω ANTENNA INPUTS: Both 75 Ω and 300 Ω antennas can be used with the 350,



making it ideal for apartment buildings where several people work off the same antenna.

FM ANTENNA INPUT SWITCH: A Local/Distant switch has been provided for undistorted reception in both strong and weak signal areas.

SENSITIVE FERRITE BAR ANTENNA: A built-in movable ferrite bar antenna and an outdoor antenna terminal have been provided for flawless AM reception.

SILICON TRANSISTOR CIRCUITRY: Completely silicon transistorized circuitry guarantees an excellent S/N ratio and outstanding stability, giving the 350 a wide dynamic range and enabling it to reproduce quality sound with flawless linearity.

COMPLEMENTARY SEPP CIRCUIT: Combined with mesa silicon power transistors, a complementary Darlington SEPP-ITL-OTL circuit offers 46W in music power at 8 Ω , continuous power of 18-18W, a power bandwidth from 30 to more than 20,000Hz, and a distortion factor of less than 1%.

PROTECTION CIRCUIT: Quick-acting fuses protect the power transistors from overloads and short circuits. If they should blow out, an indicator lamp on the 350's front panel lights up automatically.

TWO SPEAKER SYSTEM SWITCH: A convenient speaker system selector allows the operator to hear either the System A speakers alone, or the System A and System B speakers at the same time.

SHORT-FREE OUTPUT TERMINALS: The 350 is provided with four sets of short-free output terminals. Unlike the conventional terminal screws, speakers can be connected simply by pushing the stopper knobs.

FM MPX SEPARATION ADJUSTER: A control that is located on the rear panel for adjusting channel separation should it become unbalanced.

GROUNDING TERMINAL: This terminal permits the chassis to be completely grounded, eliminating outside noise and providing a better S/N ratio.

OTHER FEATURES:

LOUDNESS CONTROL Automatically compensates tone when volume is decreased.

DIN CONNECTOR Simplifies tape recorder connections.

TAPE MONITOR CIRCUIT Permits monitoring when recording with a 3-head recorder.

HEADPHONE JACK For quiet, private listening.

NOISELESS SWITCHES Specially designed and arranged for convenience.

ATTRACTIVE, FUNCTIONAL DESIGN: Featuring Sansui's black window styling, the entire dial scales appear when the power switch is on and the selector switch is in either AM or FM AUTO position. If either PHONO or AUX input is selected, the face remains black, but the function selected is indicated by lamp.

SPECIFICATIONS

AUDIO SECTION:

POWER OUTPUT:

MUSIC POWER (IHF): 46W $\pm 1\text{db}$ at 8 Ω

40W $\pm 1\text{db}$ at 4 Ω

CONTINUOUS POWER: 18W/18W $\pm 1\text{db}$ at 8 Ω

16W/16W $\pm 1\text{db}$ at 4 Ω

HARMONIC DISTORTION: less than 1.0% at rated output

INTERMODULATION DISTORTION (60Hz: 7,000Hz

=4:1, SMPTE): less than 1.0%

POWER BANDWIDTH (IHF): 30—20,000Hz at 8 Ω

FREQUENCY RESPONSE (at normal listening level):

POWER AMPLIFIER SECTION: 20—30,000Hz $\pm 1\text{db}$

AUX: 25—30,000Hz $\pm 1\text{db}$

CHANNEL SEPARATION (for rated output at 1,000Hz):

PHONO: better than 40db

AUX: better than 45db

HUM AND NOISE (IHF):

PHONO: better than 60db

AUX: better than 65db

INPUT SENSITIVITY (for rated output at 1,000Hz):

PHONO: 2.2mV $\pm 3\text{db}$

AUX: 150mV $\pm 3\text{db}$

TAPE MON (pin jack): 150mV $\pm 3\text{db}$

TAPE RECORDER (DIN jack): 150mV $\pm 3\text{db}$

RECORDING OUTPUT:

TAPE REC (pin jack): 180mV $\pm 3\text{db}$

TAPE RECORDER (DIN jack): 30mV $\pm 3\text{db}$

OUTPUT IMPEDANCE: 4—16 Ω

DAMPING FACTOR:

34 at 8 Ω

EQUALIZER:

PHONO:

RIAA, NF type

CONTROLS AND SWITCHES:

BASS CONTROL:

$\pm 10\text{db}$ at 50Hz

TREBLE CONTROL:

$\pm 10\text{db}$ at 10,000Hz

LOUDNESS CONTROL:

+8db at 50Hz, +3db at

10,000Hz (volume

control at -30db)

SELECTOR SWITCH:

1) PHONO 2) FM AUTO

3) AM 4) AUX

SPEAKER SWITCH:

system A/system A+B

TUNER SECTION:

FM

FREQUENCY RANGE:

88—108MHz

SENSITIVITY:

$2.5\mu\text{V} \pm 3\text{db}$ (20db quiet-

ing), $3\mu\text{V} \pm 3\text{db}$ (IHF)

HARMONIC DISTORTION:

less than 1%

SIGNAL TO NOISE RATIO:

better than 50db

SELECTIVITY:

better than 45db

IMAGE FREQUENCY REJECTION:

better than 40db

IF REJECTION:

better than 45db

FM STEREO SEPARATION:

better than 30db

SPURIOUS RESPONSE REJECTION:

better than 50db

SPURIOUS RADIATION:

less than 34db

AM

FREQUENCY RANGE:

535—1,605KHz

SENSITIVITY (IHF):

$25\mu\text{V} \pm 3\text{db}$ at 100KHz

IMAGE FREQUENCY REJECTION:

better than 40db at

1,000KHz

IF REJECTION:

better than 45db at

1,000KHz

SELECTIVITY:

better than 20db at

1,000KHz

SEMICONDUCTORS:

TRANSISTOR AND FET:

31

DIODE:

21

VARISTOR:

4

THERMISTOR:

1

POWER REQUIREMENTS:

POWER VOLTAGE:

100, 117, 220 and 240V,

50 or 60Hz

POWER CONSUMPTION:

40VA (zero signal)

90VA (max. signal)

DIMENSIONS (Without knobs, rubber stands and bar

antenna):

$4\frac{1}{2}''\text{H} \times 15\frac{1}{8}''\text{W} \times 13\frac{1}{8}''\text{D}$

WEIGHT:

19.5lbs

Sansui

Sansui
46W

350



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