

PIONEER®



AM/FM MULTIPLEX RECEIVER

SX-34

SX - 34 SPECIFICATION

FM Section

Circuitry	Cathode injection self-oscillation type front-end. Three IF stages and wideband ratio discriminator with AFC.
Frequency Range	88 - 108 mc.
IHF Sensitivity	3 μ v.
Sensitivity	2.5 μ v (S/N ratio 20 db, 30% mod.)
Selectivity	\pm 100 kc. (-3 db.)
Antenna Input	300 ohms (balanced.)
Tuning Indicator	AM/FM common tuning-eye.

FM Multiplex Section

Circuitry	Time-switching type de-modulator; equipped with FM-STEREO indicator.
Channel Separation	35 db (at 1,000 cps).

AM Section

Frequency Range	535-1,605 kc.
The Sensitivity	20 μ v.
Selectivity	\pm 2.5 kc (-3db).
Antenna Input	Built-in ferrite loop antenna with terminal for external antenna.

Audio Section

Circuitry	Power tubec 6BM8/ECL82 push-pull output circuit, 2 channels.
Music Power Output	17 watts per channel (IHF rating).
Rms Rated Power Output	11 watts per channel.
Harmonic Distortion	Less than 1% (at rated power output).
Frequency Response	\pm 1 db, 20 to 50,000 cps.
Hum & Noise	PHONO MAG: 60 db. AUX-HIGH: 75 db. (IHF rating).
Inputs & Audio Sensitivity (input voltages for rated power output).	PHONO MAGnetic: 2.5 mv. PHONO CERamic/AUX-LOW: 30 mv.

AUX-HIGH: 300 mv.
TAPE PLAYBACK (monitor-in): 350 mv.

Output Terminals & Jacks Speakers; choice of 8 or 16 ohms
Stereo headphones jack.
TAPE REcording (monitor-out) jacks.
TAPE REC/P.B connector; equipped with TAPE MONITOR switch.

Equalization PHONO: RIAA.
Tone Controles BASS. boost 10 db, cut 10 db (at 50cps).
TREBLE: boost 6 db, cut 10 db (at 10,000 cps).
Loudness Contour Switchable to ON-OFF.
Boost 5 db 50 cps, boost 8 db at 10,000 cps, with VOLUME control set at -30 db.

Power Supply & Others

Power Supply	Voltage doubler rectifier using silicon diodes.
Line Requirement	115/230 volts, 2.0/1.0 amp. (switchable) AC 50-60 cps.
Muximum. Power Consumption	115 watts.
Tubes (14)	4- 6BM8/ECL82, 2- 12AX-7/ECC83, 2- 6BA6, 1- 6-AU6, 1- 6EE6, 2- 6AQ8/-ECC85, 1- 6AN8, 1- 6E5.
Diodes (10)	7- OA81 and OA79 (germanium). 2- SE-05b (silicon). 1- IS-352 (variable-capacitor).
Dimensions	Overall- 15-13/16"(W), 5-3/8"(H), 13-9/16"(D).
Weight	Net- 26 lbs, 7oz.

PIONEER ELECTRONIC CORPORATION