



Perreaux

Model: SP100

Date of Manufacture: 1977

Product Type: Stereo Preamplifier

Specifications:

Input sensitivities for rated output of 1.2V RMS into 10k Ω

Auxiliary and tape inputs 80mV RMS
Magnetic phono 1 2.5mV RMS @ 1kHz
Magnetic phono 2 2.6mV RMS @ 1kHz variable

Input overload

Auxiliary and tape inputs 4.0V RMS
Magnetic phono 1 and 2 110mV RMS

Rated output 1.2V RMS (No. 1 output)
..... 0-1.2V RMS (No. 2 output variable)
Maximum output capability 7V RMS

Frequency response over all amp and headphone amp

Auxiliary input 20Hz-20kHz \pm 0.3dB
Phono input (R.I.A.A. corrected) 20Hz-20kHz \pm 0.5dB

Distortion over all amp at rated output

Total harmonic distortion 0.02%
(typically 0.009% at 1kHz)
Intermodulation distortion 0.005%
(S.M.P.T.E. 50Hz or 6kHz @ 4:1)

Noise measured on 20Hz to 20kHz bandwidth

Minimum volume -90dB
(Lin reference rated output)
Maximum volume auxiliary -80dB
(Lin reference rated output)
Maximum volume phono -60dB
(Lin reference rated output)
Maximum volume phono -76dB
(Lin reference 10mV input)

Tone controls

Bass +15dB -18dB at 30Hz
Midrange +9dB -9dB at 900Hz
Treble +15dB -12dB at 15kHz

Loudness shelving type +7dB at 50Hz
..... +7dB at 15kHz

Filters

Low 6dB per octave
from 40Hz -6dB at 20Hz -12dB at 10Hz
High 6dB per octave
from 2kHz -6dB at 4kHz -12dB at 8kHz

Total semiconductor compliment

12 IC's (Highspeed low noise, unity gain at 38MHz and wide bandwidth)
16 Transistors
8 Diodes
8 Zener Diodes
1 Bridge Rectifier

Mains voltage 230/115 volts AC 50-60Hz

Front panel 19 inch rack mount

Inputs/Outputs R.C.A. cinch connectors
..... DIN for tape 1 and 2

Headphone Amplifier:

Operating Mode Class A

Rated Power 0.25 watts RMS both channels driven into 8 ohms from 20Hz to 20kHz at no more than 0.025% total harmonic distortion.

Maximum Power 0.5 watts RMS both channels driven into 8 ohms from 20Hz to 20kHz at no more than 0.04% total harmonic distortion.

Maximum power at 1kHz 1.0 watts RMS both channels driven into 8 ohms with no more than 0.04% total harmonic distortion.

Noise 20Hz to 20kHz

Minimum volume -90dB
(Lin reference rated output)
Maximum volume auxiliary -84dB
(Lin reference rated output)
Maximum phono -65dB
(Lin reference rated output)
Maximum volume phono -70dB
(Lin reference 10mV input)

Schematic diagram

Product manual