



Perreaux

Model: SX1

Date of Manufacture: 1985

Product Type: Stereo Preamplifier

Specifications:

PRE-AMPLIFIER SECTION

Input Sensitivity

| | |
|-------------------------------|-----------------------------------|
| High Gain (moving coil)..... | 250 μ V _{rms} @ 1kHz |
| Low Gain (moving magnet)..... | 2.5mV _{rms} @ 1kHz |
| Compact Disc..... | 285mV _{rms} |
| All other inputs | 90mV _{rms} |

Input Impedance

| | |
|-------------------------------|--|
| High Gain (moving coil) | 47 Ω , 100 Ω , 47k Ω switchable |
| Low Gain (moving magnet)..... | 47 Ω , 100 Ω , 47k Ω switchable |
| Compact Disc..... | 20k Ω |
| All other inputs..... | 25k Ω |

Input Overload (tone controls in circuit set flat. 10dB higher with tone controls defected)

| | |
|------------------------|-----------------------------|
| High gain..... | 35mV _{rms} @ 1kHz |
| Low gain | 350mV _{rms} @ 1kHz |
| Compact Disc..... | 30V _{rms} |
| All other inputs | 9.0V _{rms} |

Rated Output 1.5V_{rms} into 10k Ω or higher

Maximum Output 9.0V_{rms} into 10k Ω or higher

Main Output, Source Impedance 1k Ω

Tape Output Level/Source Impedance (both outputs)

Output is through internal buffer. 250mV_{rms} with 2k Ω source impedance

Minimum Recommended Load Impedance

Tape or line outputs 10k Ω

Distortion (THD and IMD)

Phono inputs 0.005% 20Hz-20kHz rising to 0.01% at 0.1V Input (Low Gain), and 10 mV Input (High Gain)

All others less than 0.009% 20Hz-20kHz at rated sensitivity rising to 0.08% at 6V input at 1kHz into 10k Ω or higher

Noise (inputs loaded)

Phono, high gain (*unweighted*) -50dB re rated input
Phono, high gain (*A weighted*) -66dB re rated input
Phono, low gain -86dB re 10mV input
Phono, low gain (*unweighted*) -78dB re rated input
Phono, low gain (*A weighted*) -86dB re rated input
All others (*unweighted*) -100dB re rated inputs

Frequency Response (tone controls and filters defected)

Output stage 20Hz-50kHz, \pm 0.25dB

Channel Separation

All inputs 50dB 20Hz-20kHz

Phase Accuracy \pm 3 $^\circ$ 20Hz-20kHz

Output Tone Control Section Defeat Switch

When activated, closes entry to all this sections circuitry, leaving the signal to pass directly to the line amp stage

Bass \pm 18dB @ 30Hz

Treble +20dB -18dB @ 12kHz

Low Filter -18dB @ 5Hz

High Filter -12dB @ 20kHz

Dimensions

Width 432mm (17.0")

Height 45mm (1.8")

Depth..... 345mm (13.5")

Weight..... 5.5kg (12lbs)

Schematic diagram

Product manual

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www.perreaux.com