



Perreaux

Model: SM2

Date of Manufacture: 1982

Product Type: Stereo Preamplifier

Specifications:

Input Sensitivities (for rated output of 1.5V_{rms})

Moving Coil (high gain).....	200μV _{rms} @ 1kHz 50kΩ/100pF
Moving Magnet (low gain).....	2.0mV _{rms} @ 1kHz 50kΩ/100pF
All others (Aux. etc.).....	110mV _{rms} @ 25kΩ

Input Overload

Moving Coil (high gain).....	120mV _{rms} @ 1kHz
Moving Magnet (low gain).....	1.2V _{rms} @ 1kHz
All others (Aux. etc.).....	50V maximum input level

Rated Output 1.4V_{rms} into 10kΩ or higher

Maximum Output 27V_{rms} into 10kΩ or higher

Main Output Source Impedance 470Ω

Tape Record Output (source impedance 2kΩ)

For rated input sensitivity.....	110mV _{rms}
Minimum recommended load	10kΩ

Frequency Response

All others (Aux. etc.) to main out 20Hz to 50kHz ±0.25dB

Total Harmonic Distortion

Moving Coil and Moving Magnet (rated input sensitivity)	0.005%
Moving Magnet (0.9V input @ 1kHz).....	0.010%
Moving Coil (0.09V input @ 1kHz)	0.010%
All others (Aux. etc. at rated input sensitivity).....	< 0.0009%
All others (Aux. etc. at 1kHz into 10kΩ or higher)	< 0.0009%
100kHz at rated output into 10kΩ.....	< 0.008%

Intermodulation Distortion

All inputs up to rated input and output..... < 0.005%

Noise (inputs loaded)

Moving Coil (high gain).....	-64dB lin, 20Hz-20kHz referenced to rated input (72dBA)
Moving Magnet (low gain).....	-78dB lin, 20Hz-20kHz referenced to rated input (86dBA)
All others (Aux. etc.).....	-104dB lin (108dBA)

R.I.A.A. Accuracy

Reference I.E.C. Publication No. 98 amendment No.-4 1976 ±0.25dB

Channel Separation

All inputs 20Hz-20kHz..... 70dB

Phase Accuracy

Aux. etc. ±1° 20Hz-20kHz

Slewing..... 70V/μs

Dimensions

Width.....	482mm (19.0")
Height.....	50mm (1.8")
Depth.....	342mm (12.5")

Schematic diagram

Product manual