



# Perreaux

Model: SM3

Date of Manufacture: 1986

Product Type: Stereo Preamplifier

# Specifications:

## PRE-AMPLIFIER SECTION

### Input Sensitivity

High Gain (moving coil).....	175 $\mu$ V <sub>rms</sub> @ 1kHz
Low Gain (moving magnet).....	1.8mV <sub>rms</sub> @ 1kHz
Compact Disc.....	350mV <sub>rms</sub>
All other inputs .....	110mV <sub>rms</sub>

### Input Impedance

High Gain (moving coil).....	47k $\Omega$
Low Gain (moving magnet).....	47k $\Omega$
Compact Disc.....	20k $\Omega$
All other inputs .....	25k $\Omega$

### Input Overload

High gain.....	120mV <sub>rms</sub> @ 1kHz
Low gain .....	900mV <sub>rms</sub> @ 1kHz
All other inputs .....	50V <sub>rms</sub>

**Rated Output** ..... 1.5V<sub>rms</sub> into 10k $\Omega$  or higher

**Maximum Output** ..... 27V<sub>rms</sub> into 10k $\Omega$  or higher

**Main Output, Source Impedance** ..... 470 $\Omega$

**Tape Output Level** ..... 110mV

**Source Impedance** ..... 2k $\Omega$

**Minimum Recommended Load Impedance** .10k $\Omega$

### Distortion (THD and IMD)

Phono inputs 0.005% 20Hz-20kHz rising to 0.01% before overload

All others less than 0.0009% 20Hz-20kHz at rated output

### Noise (inputs loaded)

Phono, high gain (*unweighted*) -64dB re rated input

Phono, high gain (*A weighted*) -72dB 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*) ..... -104dB re rated inputs

All others (*A weighted*) ..... -108dB re rated inputs

### Frequency Response

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

### Channel Separation

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

**Phase Accuracy** .....  $\pm$ 1 $^\circ$  20Hz-20kHz

### Dimensions

Width ..... 483mm (19.0")

Height ..... 55mm (2.5")

Depth..... 347mm (13.6")

**Weight**..... 6.0kg (13.0lbs)

Schematic diagram

Product manual

info@perreaux.com

www.perreaux.com