

# TECHNICAL SPECS

## Phono Preamp

Input Impedance	100 $\Omega$ (MC), 47 k $\Omega$    270 pF (MM)
RIAA Response (20 Hz - 20 kHz)	$\pm$ 0.1 dB
Gain (1 kHz - volume set to 0 dB)	61 dB (MC), 41 dB (MM)
<b>DSP Mode</b>	
Maximum Input (at 1 kHz for <0.01% THD 20 Hz - 20 kHz)	3.6 mV (MC), 38 mV (MM)
THD+N (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output)	< 0.015% (MC), < 0.003% (MM)
THD (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output)	0.001% (MC), 0.001% (MM)
SNR (IEC-A, 2 Vrms output)	86 dB (MC), 103 dB (MM)
<b>Direct Mode</b>	
Maximum Input Direct Mode (at 1 kHz for <0.01% THD 20 Hz - 20 kHz)	11.8 mV (MC), 129 mV (MM)
THD+N (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output)	< 0.008% (MC), < 0.002% (MM)
THD (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output)	0.001% (MC), 0.001% (MM)
SNR (IEC-A, 2 Vrms output)	90 dB (MC), 110 dB (MM)

## Preamp

### Frequency Response

digital-in, 192 kHz	10 Hz - 50 kHz (+0, -0.5 dB)
digital-in, 96 kHz	10 Hz - 45 kHz (+0, -0.5 dB)
digital-in, 44.1 kHz	10 Hz - 20 kHz ( $\pm$ 0 dB)
analog-in, DSP mode	10 Hz - 40 kHz (+0.00, -0.20 dB)
analog-in, direct mode	10 Hz - 80 kHz (+0.00, -0.10 dB)

### THD+N (20 Hz - 20 kHz BW, 2 Vrms output)

DSP mode	0.0006% Digital in, 0.0017% Analog in
Analog Direct Mode	0.0016%

### SNR (at 1 kHz, IEC-A, 2 Vrms output)

DSP mode	113 dB (digital-in), 108 dB (analog-in)
Analog Direct Mode	120 dB

### Maximum Output (<0.1% THD)

RCA connectors (direct and DSP modes)	3.3 Vrms
XLR connectors (direct and DSP modes)	6.6 Vrms

XLR Configuration Pin 1: Ground, Pin 2: Normal, Pin 3: Inverted

## Power Requirement

This product operates from a single phase AC power source that supplies between 108V and 264V at a frequency of 50 or 60 Hz.

## Power Consumption

Standby	0.38 W (120V), 0.45 W (240V)
Standby + Network	1.1 W (120V), 1.2 W (240V)
Typical Use	10 W

## Dimensions

Height	3-8/9"(9.93 cm)
Width	17"(43.2 cm)
Depth (not including power cord)	14-5/6"(37.69 cm)
Weight (unpacked)	16.8 lb (7.6 kg)

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