The C2300 tube preamplifier delivers a new level of performance and value. Potent engineering enhancements combine with smart, user-programmable features to deliver a truly extraordinary audio preamplifier.

The two phono preamplifiers, moving coil and moving magnet, are both 12AX7A tube based. Programmable Load and Resistance is selectable by remote control so the adjustments can be made from the listening position.

Bass and Treble controls are also adjustable by remote control. Individual tone settings and mono/stereo may be stored in memory for each of the 8 inputs. Tone Bypass may also be assigned which completely removes the tone controls from any designated input.

The C2300 is both beautiful to look at as well as listen to. The custom top cover features a silk-screened glass window which reveals a unique, slant-mount tube array. With its classic McIntosh glass faceplate, twin blue output meters and ergonomically pleasing rotary controls, the C2300 is poised to serve as the centerpiece of any fine music system.
FREQUENCY RESPONSE
+0, -0.50dB from 20Hz to 20kHz
+0, -1dB from 10Hz to 100kHz

RATED OUTPUT
Balanced: 5VRMS at MAIN, 1 and 2
Unbalanced: 2.5VRMS at MAIN, 1 and 2

OUTPUT IMPEDANCE
250 Ohms

MAXIMUM VOLTAGE OUTPUT
Balanced: 16VRMS at MAIN, 1 and 2
Unbalanced: 8VRMS at MAIN, 1 and 2

TOTAL HARMONIC DISTORTION
0.08% maximum from 20Hz to 20kHz

SENSITIVITY
Phono, MC: 0.45mV for 2.5V
Phono, MM: 4.5mV for 2.5V
High Level: 450mV for 2.5V

SIGNAL-TO-NOISE RATIO (A-Rated)
Phono: 80dB
High Level: 93dB

MAXIMUM INPUT SIGNAL
Phono, MC: 5mV
Phono, MM: 50mV
High Level: 5V Balanced

INPUT IMPEDANCE
Phono: MC: 25, 50, 100, 200, 500, or 1000 Ohms
MM: 47k Ohms, 50 to 750pF, 50pF steps
High Level:
Balanced: 40k Ohms
Unbalanced: 20k Ohms

VOLTAGE GAIN
Phono, Moving Coil to Record Output: 60dB
Phono, Moving Magnet to Record Output: 40dB
High Level to Record Output: 0dB
High Level to Main Output: 15dB

OVERALL DIMENSIONS (H x W x D)
7-1/8” (18.1 cm) X 17-1/2” (44.4 cm) X 14-1/2” (36.8 cm) including clearance for connectors. Knob clearance in front of the mounting panel is ¾” (1.9 cm)

WEIGHT
29.5 lbs (13.41 kg) net
44.9 lbs. (20.41 kg) in shipping carton

EIGHT PROGRAMMABLE SOURCE SELECTIONS
All eight source elections accommodate unbalanced inputs while four of the either also accommodate balanced inputs. Any of 12 standard names can be assigned to a source selection and the panel display can be customized to indicate only available sources.

SILENT ELECTROMAGNETIC SWITCHING
Signal routing is accomplished through digitally controlled electromagnet switching devices. Precision switch contacts, isolated from environmental contamination inside inert gas-filled glass tubes, provide the most reliable, quietest and lowest distortion switching possible.

VRV (VARIABLE RATE VOLUME) DIGIALLY CONTROLLED ATTENUATOR
The output attenuator controls volume over 214 steps of .5dB each with accuracy within .1dB. The volume vs. rotation rate varies as preamplifier gain varies and attenuation changes occur at each zero crossings of the audio signal to prevent audible artifacts during adjustment.

FOR THE CONSUMER’S PROTECTION
In order to ensure the highest level of customer satisfaction, “new” McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer.

McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be “used” and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.

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