

Award Winning Purist Line & Phono Pre Amplifier & Amplifier

Proud recipient of The Absolute Sound Golden Ear Award & 2005 Editor's Choice Award



Artemis Labs

*Sonic Purity Defined by Ultra Premium Components,
Rugged Reliability From Superior Design*

"The Artemis (LA-1 & DL-1) responds beautifully, holding on to tonal and dynamic subtleties in a way that makes the performance seem chillingly alive...."

The Absolute Sound

"(the PH-1 is) exceptionally well designed and crafted..... sound quality is in fact bordering on the amazing... easily makes my all-time top-three short list of phono preamplifiers."

Enjoy the Music



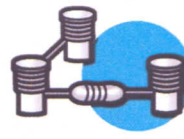
Cool Swap™ Technology

Cool Swap configuration ensures cooler running tubes while providing an idle spare



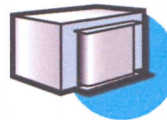
Goldpoint™ Stepped Attenuator

Series-type stepped attenuator using precision metal-film resistors by Dale and switch mechanism by Elma (Swiss)



Point To Point Wiring

Silver plated trace boards, point to point wiring utilizing military-style terminals and high tolerance components ensures superior performance



Custom Wound Transformer / Chokes

Application specific custom wound transformers and choke to meet our exacting requirements



Artemis Labs
LA-1
Line Pre Amp



Artemis Labs
PH-1
Phono Pre Amp



Artemis Labs
PL-1
Phono Pre Amp



Artemis Labs
SP-1
Power Amplifier



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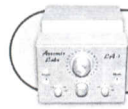


Artemis Labs
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"The focus was to create audio equipment of the highest quality ... by applying the best of traditional vacuum tube technology with modern control and power supply circuits."

John Atwood, One Electron Designer



Artemis Labs
LA-1 Line Pre Amp

Artemis Labs LA-1 Line Pre Amp combines the clean, accurate sound of a purist single-triode line amplifier with the convenience and reliability of a solid, well-built product.

Key Features

5 inputs, 2 outputs

Five stereo inputs available at the flick of a switch. Two pairs of RCA output jacks allow connections to sub-woofer or signal processor, as well as power amplifier.

12dB maximum gain

Provides adequate gain for most sources without the hum and noise caused by excessive gain.

Goldpoint™ stepped attenuator volume control

Dual conductive-plastic balance controls

A separate potentiometer is used for each channel. This allows maximum gain in the normal balanced condition and permits the use of high-quality conductive plastic pots with no sonic degradation yet infinite resolution.

Mono/Stereo switch with LED indicator

The left and right channels can be merged, with a yellow LED indicating the mono condition.

One 5687 tube per channel in Cool-Swap™ Configuration

An idle spare in each tube, plus tubes run cooler.

Choke loads for each triode

Allows tubes to run in their most linear mode and permits lower plate supply voltage.

Low-Gain MOSFET high voltage regulation

One regulator per channel minimizes cross-talk and gives a firm, stable sound without sounding "solid-state".

Specifications

Maximum Gain (47K load, 1KHz): 12dB +/- 1.5dB

Frequency Response & Distortion:

Worst-case Loading (8K ohms, 1000pF):

Worst-case setting (Input Attenuator & Balance @ -6dB):

Frequency Response: < 10Hz - 32KHz +/- 0.5dB

Average setting (Input Attenuator at -16dB, Balance at -1.5dB):

Frequency Response: < 10Hz - 40KHz +/- 0.5dB

THD+N at 1KHz, 2Vrms output: < 0.12%

Average Loading (47K ohms, 250pF):

Worst-case setting (Input Attenuator & Balance at -6dB):

Frequency Response: < 10Hz - 45KHz +/- 0.5dB

Average setting (Input Attenuator at -16dB, Balance at -1.5dB):

Frequency Response: < 10Hz - 60KHz +/- 0.5dB

THD+N at 1KHz, 2Vrms output: < 0.05%

Maximum output voltage (47K load, 1KHz, 0.5% THD): 40Vrms

Output Noise (grounded input, 47K load, rms detector):

22Hz - 30KHz: < -82dB below 2Vrms output

"A-weighted": < -85dB below 2Vrms output

Crosstalk:

1KHz: < -75dB 20KHz: < -45dB

Effective Output Impedance:

approx. 750 ohms (1KHz)
Input Impedance: 30K to 50K ohms, depending on Input Attenuator and Balance control settings.

Mains Voltage:

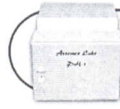
Wired at factory for one of the following voltages: 100, 110, 120, 220, 230, 240V, 50 to 60Hz.

Power Consumption (rms):

30 Watts nominal, 38 Watts max.

Size: 6 1/2" (165 mm) Height, 8 1/2" (216 mm) Width, 14 5/8" (371 mm) Depth.

Mass: 22 lbs. (10Kg)



Artemis Labs
PH-1 Phono Pre Amp

Artemis Labs PH-1 is a tube based purist phono pre amp optimized for medium- to high-output cartridges, either moving coil or moving magnet.

Key Features

50dB of gain with low hum and noise

Allows the use medium- to high-output cartridges.

3M TexTool™ ZIF socket connected to phono inputs

Allows any shunt loading resistor or capacitor to be effectively attached.

Three stage design with passive RIAA equalization

Equalization is flat within +/- 0.2dB from 20Hz to 20KHz and is flat to +/- 0.5dB to 40KHz. Last two stages have gentle feedback and can drive as low as 8K loads without the use of cathode followers.

All key audio circuits wired point-to-point using military-style terminal boards

Sonic degradation due to fiber-glass PC boards is minimized.

One 6N1P tube, two 12AX7/ECC83 tubes and two 5687 tubes. All but 6N1P are run in Cool-Swap™ Configuration

An idle spare in each tube, plus tubes run cooler.

Choke loads for each triode

Allows tubes to run in their most linear mode and permits lower plate supply voltage.

Low-Gain MOSFET high voltage regulation

One regulator per channel minimizes cross-talk and gives a firm, stable sound without sounding "solid-state".

Specifications

Gain: 50 dB with low hum and noise

Frequency Response & Distortion (measured with inverse RIAA curve applied to generator):

Worst-case Loading (12K ohms, 1000pF):

Frequency Response: 25Hz - 30KHz +/- 0.5dB

THD+N at 1KHz, 2Vrms output: < 0.2%

Average Loading (47K ohms, 250pF):

Frequency Response: < 10Hz - 42KHz +/- 0.5dB

THD+N at 1KHz, 2Vrms output: < 0.2%

Maximum output voltage (47K load, 1KHz, 0.5% THD): 40Vrms

Output Noise (grounded input, 47K load, rms detector):

22Hz - 30KHz: < -59dB below 2Vrms output

"A-weighted": < -69dB below 2Vrms output

Crosstalk:

1KHz: < -TBDdB

20KHz: < -TBDdB

Effective Output Impedance:

approx. 1300 ohms (1KHz)

Input Impedance:

47.5K ohms, lower with optional shunt resistors.

Mains Voltage:

Wired at factory for one of the following voltages: 100, 110, 120, 220, 230, 240V, 50 to 60Hz.

Power Consumption (rms):

40 Watts nominal, 49 Watts maximum.

Size: 6 1/2" (165 mm) Height, 8 1/2" (216 mm) Width, 14 5/8" (371 mm) Depth

Mass: 24 lbs. (11Kg)



Artemis Labs
PL-1 Phono Pre Amp

Artemis Labs PL-1 is a vacuum tube based purist phono pre amp optimized for low-output moving-coil cartridges.

Key Features

70dB of gain with low hum and noise

High-quality step-up transformer gives good hum and noise rejection.

3M TexTool™ ZIF socket connected to step-up transformer secondary

Allows any shunt loading resistor or capacitor to be effectively attached to step-up secondary.

Three stage design with passive RIAA equalization

Equalization is flat within +/- 0.2dB from 20Hz to 20KHz and is flat to +/- 0.5dB to 40KHz. Last two stages have gentle feedback and can drive as low as 8K loads without the use of cathode followers.

All key audio circuits wired point-to-point using military-style terminal boards

Sonic degradation due to fiber-glass PC boards is minimized.

One 6N1P tube, two 12AX7/ECC83 tubes and two 5687 tubes. All but 6N1P are run in Cool-Swap™ Configuration

An idle spare in each tube, plus tubes run cooler.

Choke loads for each triode

Allows tubes to run in their most linear mode and permits lower plate supply voltage.

Low-Gain MOSFET high voltage regulation

One regulator per channel minimizes cross-talk and gives a firm, stable sound without sounding "solid-state".

Specifications

Gain: 70 dB of gain with low hum and noise

Frequency Response & Distortion (measured with inverse RIAA curve applied to generator):

Worst-case Loading (12K ohms, 1000pF):

Frequency Response: 25Hz - 30KHz +/- 0.5dB

THD+N at 1KHz, 2Vrms output: < 0.2%

Average Loading (47K ohms, 250pF):

Frequency Response: < 10Hz - 42KHz +/- 0.5dB

THD+N at 1KHz, 2Vrms output: < 0.2%

Maximum output voltage (47K load, 1KHz, 0.5% THD): 40Vrms

Output Noise (grounded input, 47K load, rms detector):

22Hz - 30KHz: < -59dB below 2Vrms output

"A-weighted": < -69dB below 2Vrms output

Crosstalk:

1KHz: < -TBD dB

20KHz: < -TBD dB

Effective Output Impedance:

approx. 1300 ohms (1KHz)

Input Impedance:

47.5K ohms, lower with optional shunt resistors.

Mains Voltage:

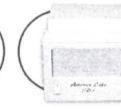
Wired at factory for one of the following voltages: 100, 110, 120, 220, 230, 240V, 50 to 60Hz.

Power Consumption (rms):

40 Watts nominal, 49 Watts maximum.

Size: 6 1/2" (165 mm) Height, 8 1/2" (216 mm) Width, 14 5/8" (371 mm) Depth

Mass: 24 lbs. (11Kg)



Artemis Labs
SP-1 Power Amplifier

Specifications

Stereo power amplifier on two chassis:

stereo amplifier and power supply.

Power output per channel before clipping:

14 Watts rms

Output impedances available:

4 and 8 ohms

Frequency response at 10 Watts output:

20Hz to 35KHz +/- 1dB

Maximum THD distortion before clipping:

3%

Input impedance:

100K

Input sensitivity:

0.8Vrms for full output power

Power consumption:

525 Watts

Line voltages available:

100, 110, 120, 220, 230, 240V (selected at factory), 50 or 60Hz

Specifications measured with KR 300BXLs tubes installed
Full specification to be released

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