

# Luxman L-590AX II Wzmacniacz Zintegrowany Salon Poznań



Cena: 38 500 zł

Gwarancja: Producenta 2 lata

Dostępne kolory: Srebrny

## Important Properties

Waga (kg): 28, 4

Głębokość (cm): 46, 3

Szerokość (cm): 44

Wysokość (cm): 19, 3

Moc (W): 30W + 30W (8Ω), 60W + 60W (4Ω)

## Product Description

### Luxman L-590AX II

Świętująca niedawno 90 lat swojej działalności marka Luxman przedstawiła najdoskonalszy wzmacniacz zintegrowany w swoim dorobku.

Model L-590AX MK II to efekt dekad doświadczenia konstruktorów Luxman. Zaprezentowany wzmacniacz dostarcza dźwięk wyjątkowo detaliczny i ekspresyjny przy zachowaniu pełnej dynamiki oraz przestrzeni.

Zastosowanie autorskiego obwodu ODNF 4.0, który wykorzystujący równolegle trzy struktury push-pull z trójstopniowym układem Darlingtona umożliwiło uzyskanie niebywale wysokiej jakości dźwięku bez żadnych kompromisów.

Autorski transformator EI o mocy 615VA stanowi kluczowy element zasilania wzmacniacza a jego unikatowa konstrukcja pozwala mu zachować niezachwianą reakcję na wszelkie wahania obciążenia. Wydajny blok kondensatorów pozwala wytworzyć w krótkim czasie niespotykaną ilość energii, która pozostaje całkowicie pod kontrolą. Starannie dobrane elementy tworzone na indywidualne zamówienie i krótkie, w pełni zoptymalizowane ścieżki sygnałowe zapewniają najwyższą jakość dźwięku.

## **The new LECUA1000 computerized attenuator**

The newly developed integral LECUA1000 computerized attenuator with an 88 step amplifier circuit has been mounted in the volume adjustment unit, that is, for the first time as LUXMAN's integrated amplifier, an essential part of the pre-amplifier circuit. This pre-amplifier circuit uses the same design as the top end control amplifier, the C-900u. The LECUA 1000 enables the sound volume to be adjusted smoothly with minimal deterioration of sound quality. A 3D layout has been introduced in the LECUA 1000 that allows substrates to be placed in three dimensions with the attenuator circuit directly connected to the amplification circuit, thereby minimizing routes and improving efficiency. Furthermore, this type of layout is extremely insensitive to external vibration and changes in sound quality caused by the volume level and has high durability.

## **ODNF version 4.0 innovative amplification feedback circuit**

The ODNF (Only Distortion Negative Feedback) original amplification feedback circuit from LUXMAN features a fast primary slew rate and an ultra-wide bandwidth achieved through the feedback of distortion components only from output signals. The L-590AXII is equipped with the latest version of ODNF - Version 4.0 - in which the distortion characteristics at high frequencies as well as the S/N performance have been significantly improved. Version 4.0 also features a power amplifier circuit in which a 3-parallel push-pull structure with 3 stage Darlington is used, as featured in the LUXMAN M-700u power amplifier. The rated output of 30W + 30W (8 ohms) of pure Class A amplification sufficiently supports the impedance characteristics of a wide variety of loudspeakers. It is possible to achieve a mellow, expressive sound with an increased sense of density with drivability to speaker systems that is equivalent to separate amplifiers.

\* ODNF is an abbreviation for "Only Distortion Negative Feedback".

## **Large-capacity power supply circuit**

A high inertia power supply circuit with a high regulation large capacity power transformer and a large block capacitor of 80,000 $\mu$ F (10,000 $\mu$ F x 8) in a LR independent manner have been combined to achieve both instantaneous power and stability. A high level of regulation is achieved by increasing the diameter of the primary winding of the power transformer.

## **High level of damping factor**

To transmit the powerful drive force that is generated by the large scale output circuit without loss, a large low resistance speaker relay in which 2 contacts are connected in parallel has been incorporated into the design. Lowering impedance right to the extent of the speaker terminals improves the damping factor significantly from 240 (the value of the L-590AX) to 320 resulting in vibrant sound reproduction.

## **Low impedance transmission**

The combination of LUXMAN original OFC wire used in the internal wiring and the round pattern incorporated in board wiring which enables smooth signal transmission allows for Beeline construction in which audio signals are configured with the optimal and shortest route, further contributing to lower impedance transmission.

## Discrete buffer circuit

Discrete buffer circuits equivalent to the ones used in the LUXMAN C-900u, the flagship model of LUXMAN separate amplifiers, is mounted on the output stage of the pre-amplifier circuit, protecting the purity of the audio signals whilst simultaneously enhancing the drive force for the power amplifier. The L-590AXII is equipped with not only a custom power transformer and block capacitors but also with many custom built parts featuring sophisticated technologies. These custom parts and features have been improved through thorough listening tests on passive parts including resistors, input/output terminals and various wires.

## New pointer type analog meter

A newly designed, highly visible meter panel and LED lit 'pointer' type analog meters featuring a highly responsive meter unit are used in the L-590AXII. The sophisticated hairline finish on the top panel of the blaster white main unit exudes elegance and quality of design.

## Abundant functions

The L-590AXII features an electronically controlled bass/treble type tone control function with LR balance adjustment utilising LECUA's volume shifting function, equipped with loudness function interlocking with sound volume and pre/power separation functions. The L-590AXII is also equipped with a phono amplifier that is compatible with MM/MC cartridges. Thus, the L-590AXII has a high functionality specific to an integrated amplifier.

## Loopless chassis structure

The solid structure of the loopless chassis of the L-590AXII eliminates ground impedance increase. The speaker terminals (A and B) are positioned inline and are compatible with Y lugs to enable easy connection with extra-thick speaker cables. A headphone terminal is also provided.

## Gradation cast-iron insulator leg

The gradation cast-iron insulator legs supporting the L-590AXII cut out any unnecessary external vibration and hold the weight of the unit securely. The high grade remote control is encased in aluminium and is designed to control compatible CD/SACD players as listed below.

\*Applicable CD players: D-08u, D-06u, D-05u, D-08, D-06, and D-05 (as of Nov 2015)

## Dane techniczne

#### Rated output

30W + 30W (8Ω), 60W + 60W (4Ω)

#### Input sensitivity/input impedance

PHONO (MM): 2.5mV/47kΩ

PHONO (MC): 0.3mV/100Ω

LINE: 180mV/47kΩ

BAL.LINE: 180mV/55kΩ

MAIN-IN: 550mV/47kΩ

#### Output voltage

RECOUT: 180mV, PRE OUT: 1V Kupuj w audioplaza.pl

#### Frequency response

PHONO: 20Hz to 20kHz (±0.5dB)

LINE: 20Hz to 100kHz (+0, ±3.0dB)

#### Total harmonic distortion

0.005% or less (8Ω, 1kHz)

0.02% or less (8Ω, 20Hz to 20kHz)

#### S/N ratio (IHF-A)

PHONO (MM): 91dB or more, PHONO (MC): 75dB or more

LINE: 107dB or more

#### Volume adjustment

New LECUA1000

#### Amplification circuit

ODNF 4.0

#### Output configuration

Bipolar 3-parallel push-pull

#### Damping factor

320

#### Max. amount of tone control

BASS: ±8dB at 100Hz

TREBLE: ±8dB at 10kHz

#### Power supply

230V~(50Hz) / 115V~(60Hz)

#### External dimensions

440(W) x 193(H) x 463(D) mm

front side knob of 20mm and rear side terminal of 37mm included in depth

#### Accessories

Remote controller (RA-17A)

Power cable

#### Speaker terminal Supported Y-lug terminal dimension

Width of part a: 16mm or less

Width of part b: 7mm or more

\* Connection may not be performed  
depending on the shape of the

Y-lug terminal.