

Acom 1010 HF Linear Amplifier New LAMCO Barnsley



Price: £1,699.95

SKU: Acom 1010 New LAMCO Barnsley

In stock: 2

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Product Page: <https://www.hamradio-shop.co.uk/product/acom-1010/>

Product Summary

£1699.95

Product Description Acom 1010 HF Linear Amplifier



Acom 1010 HF Linear Amplifier

Acom 1010 HF Linea Amplifier budget 160-10m small and lightweight linear amplifier, for fixed or DX pedition and Field Day operations.

FEATURES
Easy operation. Acom 1010 The plate-load True Resistance Indicator (TRI) is an ACOM innovation that provides quick and precise tuning, typically in less than 10 seconds. The auto-operate function will return the amplifier to the OPERATE mode automatically after each protection trip, saving time and avoiding manual switching.
No tuner needed. Acom 1010 No external antenna tuner is required as long as the antenna VSWR is 3:1 or lower. The amplifier will perform the functions of an antenna tuner, enabling you to change antennas faster and use them over wide frequency ranges.
A durable amplifier. Acom 1010 This amplifier is both user-friendly and self-monitoring. It is designed to safely withstand up to 240 W of reflected power, up to 100 milliseconds of drive spikes (RF “tails” after a PTT or KEY release), and even operator tuning errors. It is also capable of operating at more than half its designed output power at only 75% of nominal line (mains) voltage. Because it can tolerate deep voltage drops (down to zero for 10 milliseconds) and 15% line voltage spikes, it is particularly suited for use in portable environments, such as field days and DX peditions.
LED bar-graph display.

Acom 1010

The upper LED bar-graph always reads peak forward power while the lower LED bar-graph is for the reflected power. LED warning indicators are provided for abnormal conditions of grid 1, grid 2, and plate parameters.

Antenna selection.

Acom 1010

Two antenna outputs are selectable on the front panel of the amplifier.

Efficient tuning.

Acom 1010

Antenna matching can be achieved in less than 10 seconds and at a quarter of

nominal output power, which produces lower risk of interference to other stations and greater safety to the amplifier components.

Transceiver-independent.

Acom 1010

The amplifier operates without special signaling from the transceiver; it needs only “ground on TX” and 60 W RF drive power to operate at full output power.

Input matching.

Acom 1010

Broadband input matching circuitry offers excellent loading characteristics for the driving transceiver, from 1.8MHz to 30MHz.

Single tube operation.

Acom 1010

A single Svetlana 4CX800A (GU74B) high-performance ceramic-metal tetrode with plate dissipation of 800W (forced air cooling, grid-driven) is used for maximum efficiency.

Permanent monitoring and protection of the plate and grids currents.

Acom 1010

The Bias Optimizer minimizes heat dissipated by the tube, assuring tube longevity.

High voltage protection.

Acom 1010

Design of the high-voltage power supply eliminates the danger of turn-on transients affecting sensitive devices connected to the same line (mains) circuit. Moreover, the amplifier can be configured to accommodate any of 8 nominal line voltages between 100 and 240 V, 50 or 60 Hz.

Acom 1010

- Frequency Coverage: All amateur bands in the 1.8-29.7MHz frequency range; extensions and/or changes on request.
- Power Output: 700 W PEP or 500 W continuous carrier.
- Intermodulation Distortion: Better than 35 dB below rated output.
- Hum and noise: Better than 40 dB below rated output.
- Harmonic Output Suppression: Better than 50 dB below rated output.

- Input and Output Impedances:
 - nominal value: 50 Ohm unbalanced, UHF (SO239) type connectors;
 - input circuit: broadband, VSWR less than 1.3:1, 1.8-30MHz continuously (no tunings, no switching);
 - Bypass path VSWR less than 1.1:1, 1.8-30MHz continuously, 200 W maximum;
 - Output (antenna) impedance matching capability: VSWR up to 3:1 or higher.
- RF Gain: 11dB typically, frequency response less than 1dB (50 to 70 W drive power for rated output).
- Primary Power: 85-132 V/170-264 V ac (100, 110, 120, 200, 210, 220, 230 & 240 V nominal taps), +10% -15% tol.), 50-60 Hz, single phase, 1200 VA.
- Complies with CE safety and electromagnetic compatibility requirements as well as FCC-regulations (10 & 12 m band locks provided).
- Size & Weight (operating): WxDxH: 406x315x150mm, 16kg (16x12.4x5.9 inches, 35.3Lbs).
- Operating environments:
 - temperature range: 0...+50 degs.Celsius;
 - humidity: up to 95% @ +35 degs.Celsius.
 - height: up to 3000m above sea level without output deterioration

Product Gallery



