



# RADIOWORLD

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**263 Walsall Road, Great Wyrley, Walsall, WS6 6DL**

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Tel: **01922 414 796** Fax: **01922 417829** Skype: **radioworld\_uk**



## Ameritron AL-80BXCE 1kW HF Linear Amplifier £1795.00

*An inside look at AMERITRON'S AL-80B*

Dual illuminated cross-needle meters give you four separate indicators that monitor your operating conditions -- PEP forward power, PEP reflected power, SWR, Grid Current, Plate Current, Plate Voltage and ALC.

Heavy Duty Bandswitch.

Tank coils spaced away from chassis for optimum "Q".

Pi-Network gives smooth tuning and full band coverage, even on 160 and 80 Meters.

Heavy duty power supply: 26 lb. high silicone steel transformer and computer grade capacitors.

Rear panel adjustable input Pi-Network.

Genuine classic 3-500 Tube.

**AMERITRON'S AL-80B Kilowatt Desktop Linear**

**SPECIFICATIONS:**  
 Frequency Coverage: 1.8, 3.5, 7, 14, 21 MHz and WARC bands.  
 Export User modified models include 10/12 Meters.  
 Input Circuit: Adjustable Pi-Network, VSWR 1.3:1 or less at resonance.  
 Output Circuit: Pi-L/Pi-Network.  
 Input Bandwidth: 20% for 2:1 VSWR or better.

Drive Requirement: 85 Watts for 800 Watt CW output, 10 dB gain.  
 Shipping Weight: Amplifier, 54 lbs.; tube, 3 lb.  
 Operating Weight: 48 pounds.  
 Efficiency: CW/SSB better than 66%.  
 Dimensions: 15 1/4"Dx14Wx8 3/8"H inches.

## DESCRIPTION

The Ameritron AL-80BXCE linear the Eimac 3-500Z is run with a instantaneous bias circuit. This means that even between syllables there is no current drawn. The result is high average power levels, much cooler running and longer valve life. Gives you up to 1,000W output from a desktop linear that is well within the budget of many enthusiasts. A dynamic ALC circuit adds to the efficiency and allows you to control the RF output from your linear! There's a heavy duty power supply built on the same chassis with a rugged transformer weighing in at 11.8kg. Cross needle meters monitor all aspects of the linear and the quick warm up plus standby mode means your linear is always ready to give you up to 10dB of gain!

- \* 1.8 - 30MHz (inc WARC)
- \* Output: 1kW PEP (850W CW)
- \* Input: 50 Ohms 85W (typ) 100W (max)
- \* Built-in 230V AC supply
- \* Inrush Current Protector
- \* Dynamic ALC
- \* Instantaneous Bias
- \* Single Eimac 3-500Z
- \* Illuminated Meters
- \* Tuned Inputs
- \* Voltage: 2,700V

\* PTT: 12V DC short to Tx

\* Size: 216 x 355.5 x 387.35mm

\* Weight: 24.5kg