

## **Linear Amplifier** *HL-1000A Series* (Circa 1980 - No longer in production)



### **Features**

- **BAND COVERAGE**
  - 80 Meter, 40 Meter, 20 Meter, 15 Meter & 10 Meter (Modification required for U.S. models) Amateur Bands
- **TUBE COMPLIMENT**
  - Single (1) Eimac 3-500Z Zero Bias Triode
  - Operated AB2 - Grounded Grid Service
- **MODE AND DUTY CYCLE**
  - SSB (1 KW PEP Input)
  - CW, RTTY (1,000 W Input)
  - AM (500 W Input) - to allow sufficient headroom
  - Continuous Duty
- **DRIVE POWER**
  - 40 Watts to 75 Watts
- **PLATE VOLTAGE**
  - 2,400 VDC minimum - with resting current
- **INTERMODULATION DISTORTION**
  - In excess of -33dB
- **COOLING**
  - Forced Air
  - Pressurized Plenum and Chimney Cooling
  - Continuous Duty - Squirrel Cage Blower (low noise - 60 cfm)
- **ALC**
  - Adjustable (Negative) to - 8VDC
- **TUNING**
  - Vernier tuning for smooth and accurate settings on all bands
  - 0 - 100 dial skirt log for easy resetting
- **SAFETY**
  - Interlock for input AC
  - 100% Fused AC line and Cathode Circuit
- **POWER TRANSFORMER**
  - Special Hammond High Voltage Transformer
  - Designed for Continuous Duty at 800 VA - 60 Hz.
  - Weight 21.5 Lbs.
  - Separate Hammond Filament Transformer
- **POWER SUPPLY**
  - Computer Grade Capacitors for Max. Reliability
- **INPUT CIRCUIT**
  - 50 Ohm
  - Pi-Input Circuitry for each band
- **OUTPUT CIRCUIT**
  - Full Pi-L Network
- **BY-PASS STANDBY SWITCH**
  - Front Panel - for easy operation

- **ANTENNA RELAY**
  - DC Relay for hum-free operation
- **LINE VOLTAGE**
  - 120VAC or 240VAC
- **METERING**
  - Soft - Back Lit
  - Left Meter - Multimeter - High Voltage or Grid Current or Relative Forward RF Power (1KW)
  - Right Meter - Fixed - Plate Current
- **TRANSIENT PROTECTION**
  - Primary HV and Filament Surge Suppression
- **FINISH**
  - Similar color scheme to the **Rockwell Collins KWM-380** (Released in Fall 1979)
  - Matched to our **AT-1500** antenna transmatch.
  - Outer Steel Cabinet Painted Textured Baked Enamel - Hammond "Earth Brown"
  - Front Panel Painted Smooth Baked Enamel - Hammond "Cream Beige"
- **MOUNTING**
  - Includes 1/2" high heavy duty rubber feet mounted on 1/4" dimples on cabinet (won't scratch mounting surface)
  - Can be rack mounted (with proper ventilation) - on a rack shelf with or without outer steel cabinet
- **WEIGHT**
  - 56 Lbs. or 25 Kg. (68 Lbs. or 31 Kg. with steel cabinet)

## Gallery



Part No.	Overall Dimensions			Overall Dimensions (Less Cabinet)		
	Height	Width	Depth	Height	Width	Depth
<b>HL-1000A</b>	9.25	17.25	16.38	8.50	17.00	16.00

*Data subject to change without notice*

