



Quality Products. Service Excellence.

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**

- o DC Relay for hum-free operation
- **LINE VOLTAGE**
 - o 120VAC or 240VAC
- **METERING**
 - o Soft - Back Lit
 - o Left Meter - Multimeter - High Voltage or Grid Current or Relative Forward RF Power (1KW)
 - o Right Meter - Fixed - Plate Current
- **TRANSIENT PROTECTION**
 - o Primary HV and Filament Surge Suppression
- **FINISH**
 - o Similar color scheme to the **Rockwell Collins KWM-380** (Released in Fall 1979)
 - o Matched to our **AT-1500** antenna transmatch.
 - o Outer Steel Cabinet Painted Textured Baked Enamel - Hammond "Earth Brown"
 - o Front Panel Painted Smooth Baked Enamel - Hammond "Cream Beige"
- **MOUNTING**
 - o Includes 1/2" high heavy duty rubber feet mounted on 1/4" dimples on cabinet (won't scratch mounting surface)
 - o Can be rack mounted (with proper ventilation) - on a rack shelf with or without outer steel cabinet
- **WEIGHT**
 - o 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
HL-1000A	9.25	17.25	16.38	8.50	17.00	16.00

Data subject to change without notice

