

BTI

AMATEUR DIVISION

BRAD THOMPSON INDUSTRIES, INC.

INDIO, CALIFORNIA

Manufactured and sold by:
H. T. PRODUCTS DIV.
HAFSTROM-THOMPSON ASSOCIATES, INC.
4616 Santa Fe St., San Diego, Calif. 92109
(714) 274-8822

FEATURING:

- Grounded grid, zero bias linear operation.
- Full 1000 watts plate dissipation with economical 3-1000Z by Elmac.
- Loads along at maximum legal input, all modes, 2000+ watts PEP SSB, 1000 watts CW-AM-RTTY.
- Instant transmit — no warm up wait.
- A.L.C. for more and cleaner TALK POWER.
- Front panel metering and switching for Accessory Dummy Load.
- Tuned Cathode Input — Pi-L Output.
- High Reliability, Solid State Power Supply.

THE BTI LINEAR AMPLIFIER

THE CONSOLE

LK-2000

\$795.00 complete



THE TABLE TOP

RF-2000

\$595.00



POWER SUPPLY

PS-2000

\$300.00



Accessory DUMMY LOAD

DL-2000

\$75.00

(see page 3)



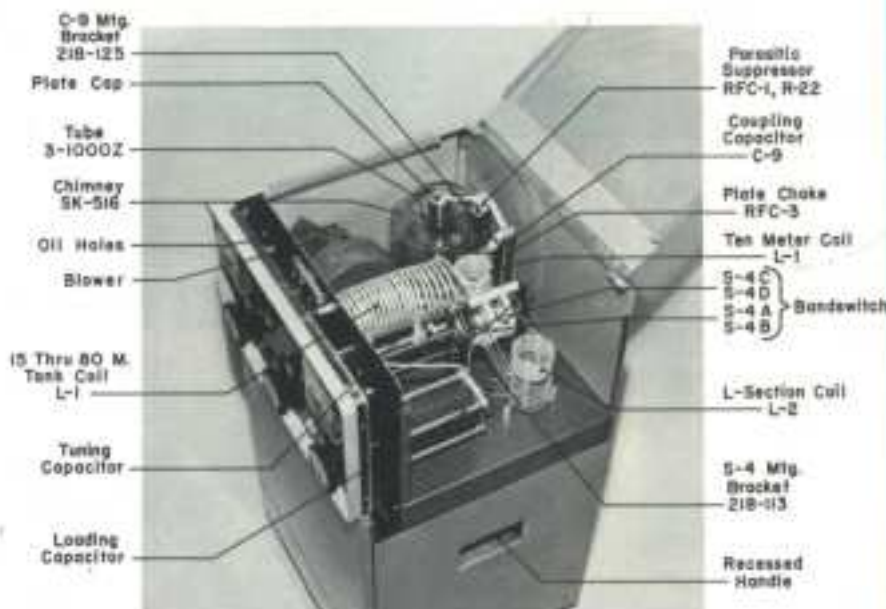
SEND ONE DOLLAR FOR
BEAUTIFULLY ILLUSTRATED
TECHNICAL AND INSTRUCTION
MANUAL

FRECK RADIO & SUPPLY CO., INC.
38 BILTMORE AVE.
ASHVILLE, N.C.

NEW ADVANCED R.F. SECTION

CONSTRUCTION NOTES:

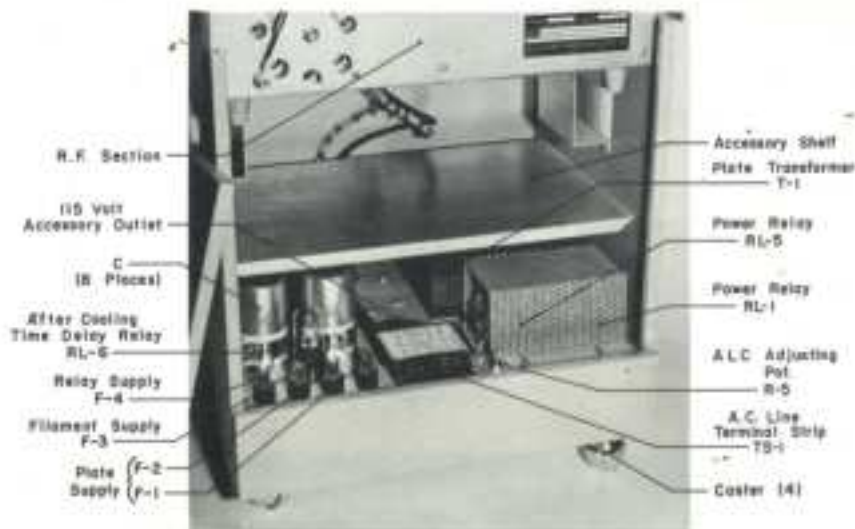
RF Chassis and cabinet is Alumi-Gold (Iridite) finish aluminum. Joints are free of paint for good shielding. Power Supply Section is heavy gage steel. All fasteners are self-retained for ease of disassembly and reassembly. (No loose nuts to fall down inside.)



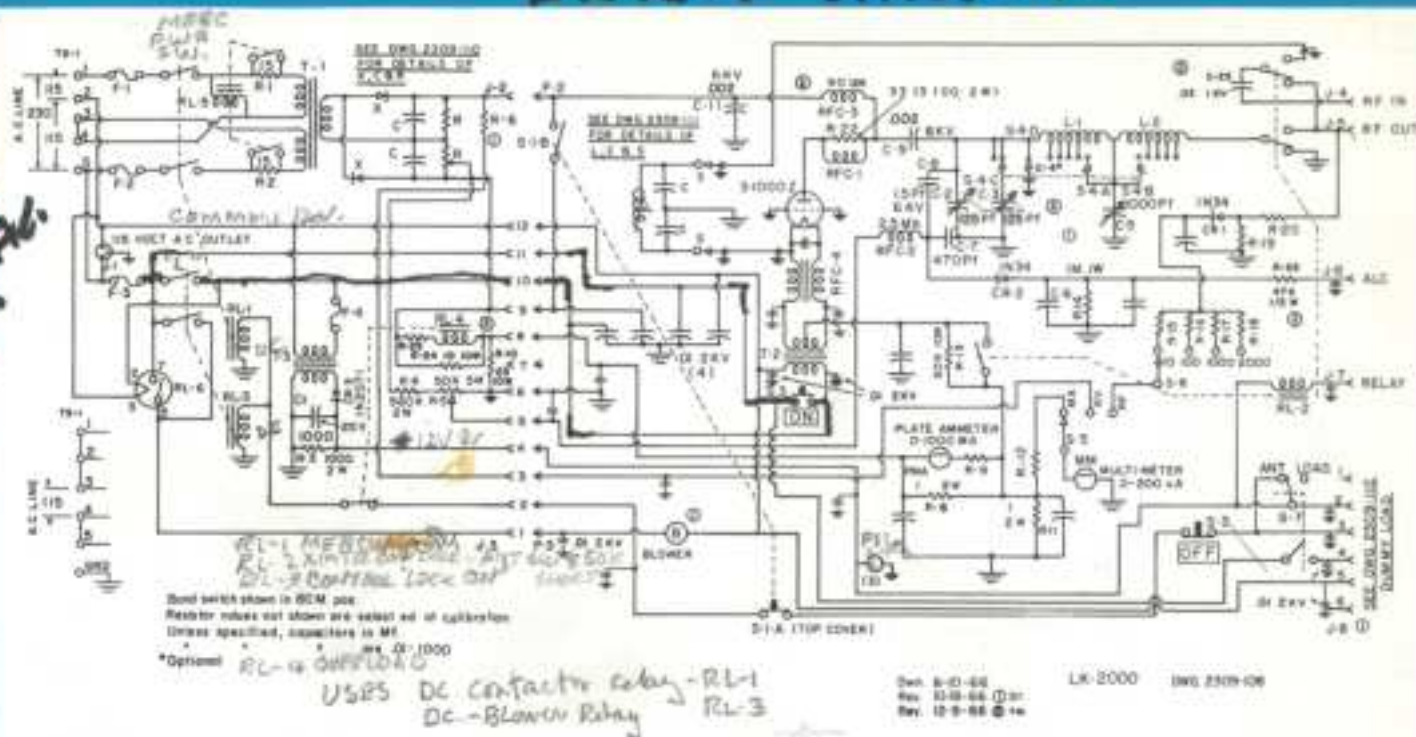
SPECIFICATIONS:

Grounded Grid, Zero Bias Linear Amplifier • Frequency Range: Amateur Bands (and adjacent frequencies) from 3.5 to 30 megacycles • Drive: 50 to 200 Watts R.F. • Compatible with all modern Amateur Transmitter-Exciters • ALC: Adjustable Feedback from Plate Tank • Power Rating: 2000+ Watts SSB PEP, 1000 Watts CW-AM-RTTY • Line Voltage: 115/230 volts, 50/60 cycles, 20/10 amps • Tube: Eimac 3-1000Z (or 4-1000A) • Color: Two-tone Grey • Size & Shipping Weight: **LK-2000**, 16¼ wide, 16 deep, 30 high (including casters), 115 pounds • **PS-2000**, 16¼ wide, 15 deep, 10½ high (less casters), 75 pounds • **RF-2000**, 16¼ wide, 16 deep, 13¼ high (less feet), 50 pounds • Prices and Specifications subject to change without notice.

CONTINUOUS DUTY, SOLID STATE POWER SUPPLY:



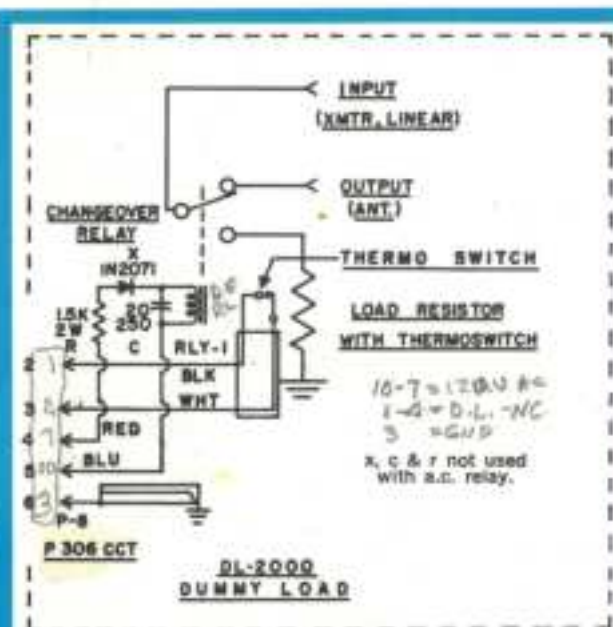
LATEST DIAGRAM



ACCESSORIES:

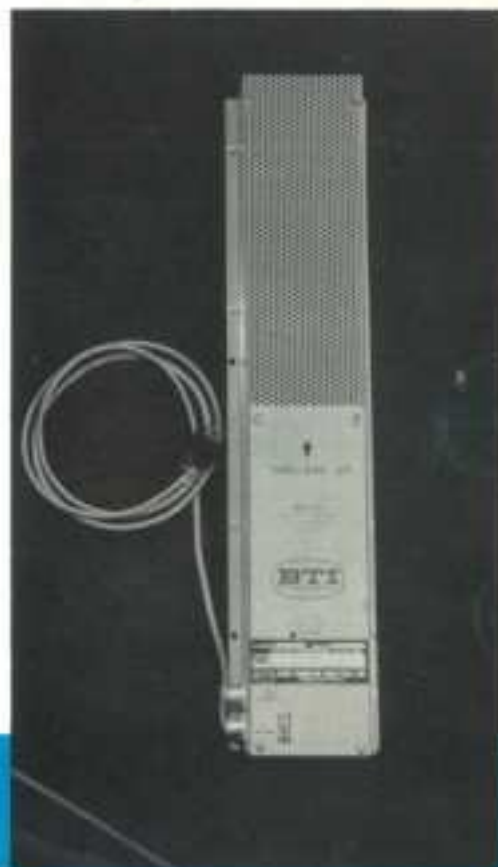
- 1189-17 MODIFICATION KIT for separating the RF Section from the Power Supply . . \$34.50
This kit includes the following items, any of which may be ordered separately:
301-74 Extension Cable, single conductor high voltage . . \$3.50
301-75 Extension Cable, 12-conductor for control circuits . . \$12.50
315-167 Power Supply Cover . . \$7.50
2019-48 Bottom Trim for RF Section . . \$9.50
605-4 Set of Plastic Feet . . \$1.50
- DL-2000 DUMMY LOAD. A dummy load for tuning radio transmitters having power ratings up to 2000 watts input to the final amplifier stage. It includes a changeover relay for switching the transmitter output from the station antenna to the dummy load.
- The dummy load is mounted in a long narrow steel case and has a perforated aluminum cover which measures 24 x 5 1/4 x 2 1/4 inches and must be operated in the vertical position, top end up. While designed for mounting on the rear of the LK-2000 Linear Amplifier it may be used with other amplifiers or exciters and may be mounted on any convenient vertical surface.
- The change over relay in the DL-2000 is normally supplied with 115 volt AC coil but may be furnished for other voltages. A thermoswitch with normally closed contacts is set to open when the load reaches its maximum rated temperature of 220 degrees F.
- The contacts of the thermoswitch may be used to shut off the power to the load or to actuate a warning device.

DUMMY LOAD
DL-2000
\$75.00



CONNECTIONS:

There are two 50-239 coax connectors for input and output. The control circuits are carried in a 6-foot cable terminated in a 6-prong Cinch-Jones connector.



BTI**RELIABILITY**

is the foundation upon which BTI has built its success. Shown are some of the many diversified capabilities of the BTI organization:



BULLETIN 12-1 Electron Beam Guns.
12 pages.



BULLETIN 13-8 Electron Beam Welding Assistors.
4 pages.



BULLETIN 10-4 Electron Beam Power Supplies.
7 pages.



Special transformers are designed and constructed with ratings to 50 kilovolts and 10 kilowatts. Higher voltage transformers are oil insulated.

BRAD THOMPSON INDUSTRIES

is a leading producer of Electron Beam Guns, Accessory Components and Systems for Electron Beam Processes. These processes include welding of difficult to weld metals, evaporation for the Electronic Thin Film industry and heating or melting for the physical processing of materials.

BTI Electron Guns and Power Supplies are built with power ratings from a few milliwatts to 20 kilowatts at 0 to 30,000 volts. With built in electronic regulation they will produce electron beams for welding thin sections like Relay Enclosures or Pressure Diaphragms to thick sections up to one inch or more. Established in 1960, the plant in Indio has been developed into an integrated facility for design and production of electronic equipment. Bulletins on these Electron Beam Products will be sent to anyone interested on request.



Machines available include, Mills, Lathes, Drill Presses and others.



BULLETIN 11-1 Electron Beam Welders.
4 pages.



Radio Band Switch Deck and Tank Coil assembly is Silver Plated after soldering.



Metal joining operations include Soldering, Brazing, Tig Welding (Helium) and, of course, Electron Beam Welding.

BTI

25-270 Temurak Street • P. O. Box CCCC • Area Code 714, Diamond 7-6637

BRAD THOMPSON INDUSTRIES • INDDO, CALIFORNIA T.X.M. 714-991-7230 92301