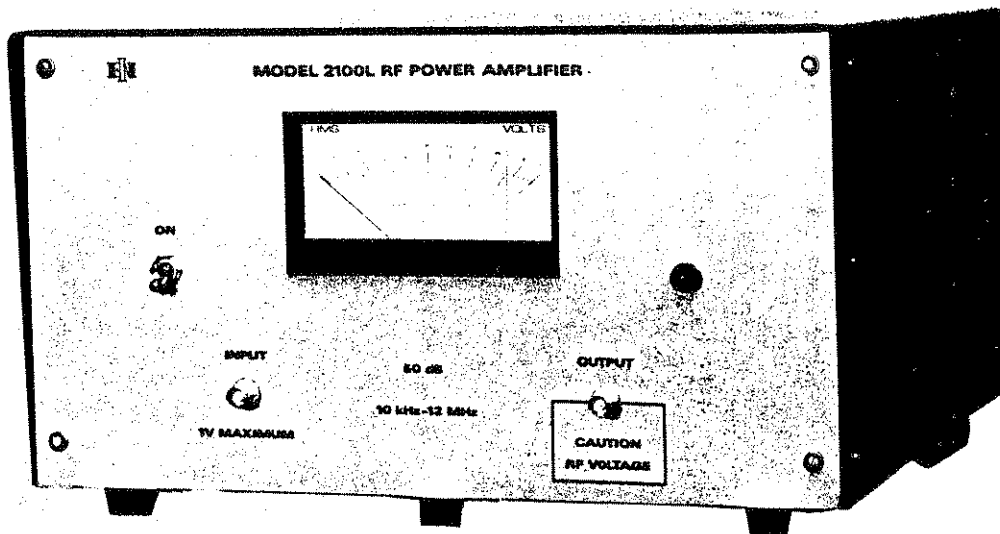


ELECTRONIC NAVIGATION INDUSTRIES, INC.

INSTRUCTION MANUAL

MODEL 2100L

BROADBAND POWER AMPLIFIER



3000 Winton Road South, Rochester, New York 14623

Telephone: Area Code 716 473-6900

Telex #97-8283 ENI ROC

Table 1-1. Specifications

FREQUENCY COVERAGE:	10 kHz to 12 MHz
GAIN:	50 dB, $\pm 1.5$ variation
CLASS A LINEAR OUTPUT:	Nominal 100 watts
HARMONIC DISTORTION:	More than 25 dB below fundamental at 100 watts output.
SATURATED RF POWER OUTPUT:	Greater than 150 watts 10 kHz to 12 MHz Greater than 200 watts 30 kHz to 4 MHz
INPUT IMPEDANCE:	50 ohms, VSWR, 1.8 maximum
OUTPUT IMPEDANCE:	50 ohms, VSWR, 2.5 maximum
NOISE FIGURE:	9 dB typical
STABILITY:	Unconditionally stable
PROTECTION:	Unit will withstand more than 16 dB overdrive for all output load conditions.
OUTPUT METER:	Average reading voltmeter calibrated in RMS volts (0-100v) for a sine wave also calibrated in watts into 50 ohms (0-200W), $\pm 3\%$ of full scale accuracy
POWER REQUIREMENTS:	115 VAC $\pm 7\%$ at 9.5 Amperes 230 VAC $\pm 7\%$ at 5 Amperes
SIZE:	8 3/4 x 15 x 19 5/8 inches 22.2 x 38.1 x 49.9 cm
WEIGHT:	63.5 pounds 28.8 kg
CONNECTORS:	BNC
OPERATING TEMPERATURE:	0° to +45° C
RACK MOUNTING:	19 inch rack adaptors provided