



Advanced Test Equipment Rentals

www.atecorp.com 800-404-ATEC (2832)



With flat response over the frequency range of 250kHz to 150MHz and linear power outputs of 25, 100 and 200 Watts, the three units that make up the "300" Series power amplifiers are used in the widest variety of industrial and general laboratory applications.

The unique Class A power stage feedback design permits accurate low distortion amplification over the entire useful frequency range (150kHz to 180MHz). It incorporates protection against overdrive and overload as well as rendering the total amplifier unconditionally stable into any load impedance and impervious to damage.

The 25 Watt output Model 325LA is a remarkably low cost unit in a very compact package. The 100 Watt Model 3100LA is most widely used as an RF source in RFI/EMI testing and in production testing of RF equipment. The compact and efficient 200 Watt Model 3200L has become the standard in applications where reliability and high power output are required.

Each unit has a built-in meter that indicates both output RF voltage as well as power output into 50 Ohms. A integral power supply and cooling system permits full power operation over the widest range of temperature and AC line conditions.



VERY HIGH FREQUENCY

- All Solid State
- Flat 250kHz to 150MHz
- Works into Any Load
- No Band Switching
- Metered Output

INPUT SIGNALS: The units amplify AM, FM, SSB, TV, Pulse and other modulations with a minimum of distortion.

STABILITY: Unconditionally stable; units will not oscillate for any condition of load and source impedance.

PROTECTION: Units will withstand up to 16dB of overdrive (input signal of 1 V rms) for all output load conditions including short and open circuit loads.

OUTPUT METERING: The output RF voltage level as well as power output into 50 Ohms is monitored by a front panel meter.

POWER SUPPLY: Both the integral power supply and cooling system are conservatively designed to permit operation over a wide range of temperature and AC line conditions.

SPECIFICATIONS	MODEL 325LA	MODEL 3100LA	MODEL 3200L
FREQUENCY COVERAGE	250kHz to 150MHz	250kHz to 150MHz	250kHz to 150MHz
MAXIMUM CLASS A LINEAR POWER OUTPUT	25 Watts	100 Watts	200 Watts 250kHz to 120MHz 175 Watts 120MHz to 150MHz
GAIN	50dB (Nominal)	55dB (Nominal)	55dB (Nominal)
GAIN VARIATION	± 1.5dB	± 1.5dB	± 1.5dB
TYPICAL 3RD ORDER INTER-MODULATION INTERCEPT PT.	+ 53dBm	+ 59dBm	+ 62dBm
INPUT/OUTPUT IMPEDANCE	50 Ohms	50 Ohms	50 Ohms
INPUT VSWR	1.5:1 Maximum	1.5:1 Maximum	1.5:1 Maximum
OUTPUT VSWR	2.5:1 Maximum	2.5:1 Maximum	2.5:1 Maximum
NOISE FIGURE	10dB (Nominal)	10dB (Nominal)	11dB (Nominal)
POWER REQUIREMENTS	115 Vac ±10% 50/60Hz 3.5 Amperes ±10% 230 Vac ±10% 50/60Hz 1.75 Amperes	115 Vac ±8% 50/60Hz 14 Amperes 230 Vac ±8% 50/60Hz 7 Amperes	115 Vac + 6%-12% 50/60Hz 25 Amperes 230 Vac + 6%-12% 50/60Hz 12.5 Amperes
OPERATING TEMPERATURE	0° to 45°C	0° to 40°C	0° to 40°C
SIZE	7.5 x 9.5 x 12.5 in. 19 x 23.1 x 31.8 cm	8.750 x 17 x 17 in. 22.2 x 43.2 x 43.2 cm	12.25 x 17.125 x 23 in. 31.1 x 43.5 x 58.4 cm
WEIGHT	25 lbs., 11.3 kg	60 lbs., 27.3 kg	95 lbs., 43.1 kg
CONNECTORS	BNC	Type N	Type N
RACK MOUNTING	Adaptors Provided	Adaptors Provided	Adaptors Provided