rf/microwave instrumentation

# Model 10,000A225, M5, M6, M7 10,000 Watts CW 10kHz-225MHz 

The Model 10,000A225 is a self-contained, air-cooled, broadband, completely solid state amplifier designed for applications where instantaneous bandwidth and high gain are required. Push-pull MOSFET circuitry is utilized in all high power stages in the interest of lowering distortion and improving stability.
The Model 10,000A225 is equipped with a Digital Control Panel (DCP) which provides both local and remote control of the amplifier. The DCP uses a $33 / 4$-inch diagonal graphic display, menu assigned soffkeys and a single rotary knob to offer extensive control and status reporting capability. The display provides operational presentation of Forward Power and Reflected Power plus control status and reports of internal amplifier status. Special features include a gain control, internal automatic level control (ALC) with front panel control of the ALC threshold and RF output level protection.
All amplifier control functions and status indications are available remotely in GPIB/IEEE-488 format, RS-232 hard wire and fiber optic and USB. The bus interface connectors are located on the back panel and positive control of local or remote operation is assured by a keylock on the front panel of the amplifier. High efficiency universal input, power factor corrected switching power supplies provides DC to all internal sub-assemblies.

Housed in a stylish, contemporary enclosure, the Model 10,000A225 provides readily available RF power for typical applications such as RF susceptibility testing, antenna and component testing, watt meter calibration, particle accelerators, plasma generation, communications and use as a driver for higher power amplifiers. The Model 10,000A225M6 enclosure includes four 6 -inch casters for ease of mobility.
The export classification for this equipment is EAR99. The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

MODEL 10,000A225 TYPICAL POWER OUTPUT


## SPECIFICATIONS, MODEL 10,000A225



MODEL CONFIGURATIONS

| Model | RF Input | Features | Size $(\mathrm{W} \times \mathrm{D} \times \mathrm{H})$ |
| :--- | :--- | :--- | :--- |
| $10,000 \mathrm{~A} 225$ | N female, rear | Standard | $112.2 \times 88.9 \times 167.6 \mathrm{~cm}$ |
|  |  |  | $(44.2 \times 35 \times 66 \mathrm{in})$ |
| $10,000 \mathrm{~A} 225 \mathrm{M} 5$ | BNC female, rear |  | $112.2 \times 88.9 \times 167.6 \mathrm{~cm}$ |
|  |  |  | $(44.2 \times 35 \times 66 \mathrm{in})$ |
| $10,000 \mathrm{~A} 225 \mathrm{M} 6$ | N female, rear | Includes four 6" casters | $147.8 \times 88.9 \times 167.6 \mathrm{~cm}$ |
|  |  |  | $(58.2 \times 35 \times 66 \mathrm{in})$ |
| $10,000 \mathrm{~A} 225 \mathrm{M} 7$ | See separate specification sheet. |  |  |

