

Alpha 2000 Dummy Load

Introduction

The Alpha 2000 dummy load is a forced-air-cooled dummy antenna or radio-frequency (RF) termination intended for testing amplifiers and station conditions.

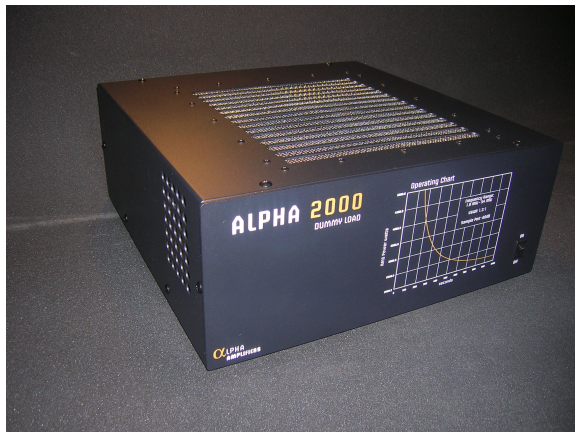
The unit is fully dry and requires no oil or liquid coolant. It provides a load for 2000 W of continuous-wave (CW) RF energy with no time limit. It can be operated as a stand-alone device in the field with an external 12-V supply or from the AC mains using the supplied universal power supply.

Operation is simple: just plug the unit into a power supply, attach an RF source, and turn on the power switch.

Support & warranty

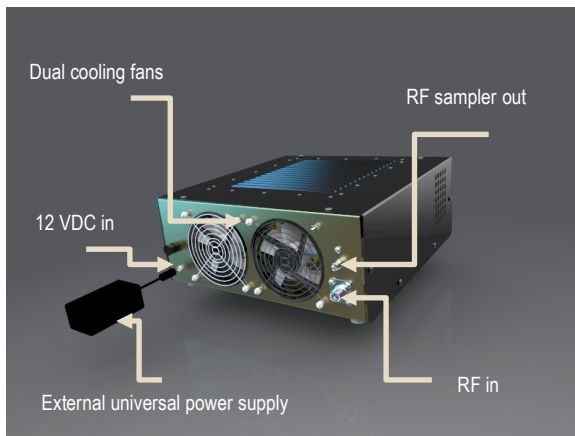
- For technical support and for information about the Alpha 2000 dummy load's 1-year warranty, contact RF Concepts at +1-303-473-9232 or info@rfconcepts.com.
- For general product and operational support, go to www.rfconcepts.com or www.asktheham.com.

Outside the box



The unit's exterior measures 14.25 × 14.5 × 6.25" (height includes feet).

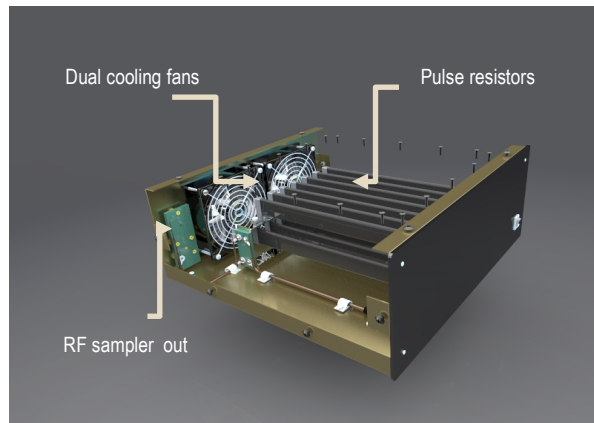
Important! When planning for use, keep in mind that exhaust temperature can be high. It is important that at least 12" of free space be left above and 6" on each side of the unit.



The unit's back contains:

- Dual cooling fans (105 CFM, 12 V; operation is triggered by internal temperature)
- Built-in RF sampler out (terminates in 50 ohms)
- RF input (50 ohms)
- Connection to a 12-VDC external universal power supply (provided)

Inside the box



The unit's interior contains:

- Dual cooling fans
- 14 high-energy pulse resistors (150 W, 8 kJ)
- Built-in RF sampler out (-60 dBc)

Cooling requirements

Important! Exhaust temperature can be high. It is therefore important that you leave at least 12" of free space above and 6" of free space on each side of the unit.

Performance details

- Continuous rating: 2000 W
- Peak power capability: >5 kW
- RF input: via quick-change (QC) connector
- Input impedance: 50 ohms nominal
- VSWR: <1.35 at 60 MHz
- Power: 12-VDC universal 1.5-A supply
- RF sampler: -60 dBc when terminated in 50 ohms
- Operating environment: 15–40 °C, 10%–80% relative humidity (noncondensing)
- Attenuation output curve as shown below in blue
- Standing-wave-ratio (SWR) curve flat across all HF amateur bands as shown below in red

