

AMERITRON

High Power Dummy Load ADL-1500

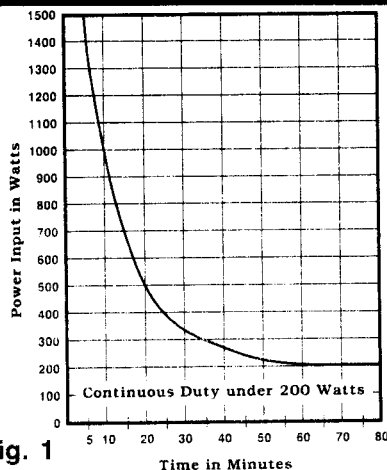


Fig. 1

SPECIFICATIONS

IMPEDANCE — 50 ohms, Resistive

VSWR — Under 1.2:1 (Freq: 0-30 MHz)

— Under 1.5:1 (Freq: 30-300 MHz)

— Under 2.0:1 (Freq: 300-400 MHz)

POWER

DISSIPATION — 1500 Watts Continuous, 5 minutes

See Derating Curve

DIMENSIONS — 7½" High X 6⅝" Diameter

NET WEIGHT — 1.5 lbs (Oil weight not included)

AMERITRON

116 Willow Road
Starkville, MS 39759

OPERATION

Fill the ADL-1500 pail to within ¾" of the top with the TRANSFORMER OIL only. This is required for proper oil circulation and cooling of the resistive element. **DO NOT USE ANY TYPE OF MOTOR OIL.** Motor oil does not have a sufficiently high vaporizing temperature and will cause excessive vapor. The **ADL-1500 Transformer Oil** does not contain PCB (Poly Chlorinated Byphenyl).

Before operating the ADL-1500, study the duty cycle chart in FIG. 1. If you are uncertain of the power level being supplied, assure safe operation by frequently touching the side of the pail near the bottom with your fingers. If the side of the pail is too warm to allow your fingers to remain, or if vapor is coming from the can, turn off the RF transmitter until the oil cools. If vapor appears at power levels less than 200 watts, the oil level should be checked.

After reading the above instructions, connect the RF transmitter to the coaxial connector on the top of the ADL-1500 can. Remove the cap from the oil vent.

★ WARNING ★

Care must be taken in handling the oil. Wash hands after filling the pail. Keep the oil away from food and out of the reach of children. If the ADL-1500 overheats, **DO NOT BREATHE THE VAPORS** and turn off the RF transmitter.