

TECHNICAL BULLETIN NUMBER 8016

High Power Dummy Load
TMC Model TER-100K/50U



TMC Model TER-100K/50U, High Power Dummy Load, provides power dissipation of 100 kw average, 200 kw PEP, from 2-30 mcs with SWR not exceeding 1.5 to 1. Power and SWR ratio is indicated on a front panel meter.

Model TER-100K/50U is housed in a metal cabinet, 85" high \times 79" wide \times 26" deep, with casters for mobility and 7 blowers for filtered forced air cooling of the dissipation resistors.

A transmitter interlock is provided for safety to operating personnel.

TMC Model TER - 100K/50U

TECHNICAL SPECIFICATIONS

FREQUENCY RANGE: 2-30 mcs.

DISSIPATION: 100 kw average, 200 kw peak power.

IMPEDANCE: 50 ohms unbalanced.

COOLING: Filtered air blower system by means of 7 base mounted fans.

INPUT TERMINAL: 6 $\frac{1}{8}$ " EIA Flange.

OPERATING TEMPERATURE: -40°C to +75°C ambient. Unit may be brought to full power in a -40°C ambient without damage to resistors.

RESISTORS: Special glass resistors with resistive element electro-fused into surface. Baked silicone protective coating. Fired on silver bands to assure positive connection. Resistor spiral cut to insure even heat dissipation.

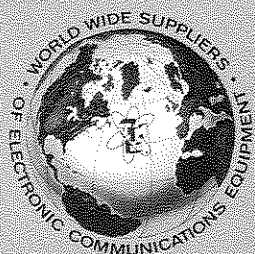
CASE MATERIAL: Heavy gauge steel case with interlocks for connection to transmitter.

SIZE: 85" h \times 79" w \times 26" d.

INSTALLED WEIGHT: Approx. 1100 lbs.

AC POWER REQUIREMENT: 115v single phase, 50/60 cps, approx. 700 watts.

COMPONENTS AND CONSTRUCTION: All equipment manufactured in accordance with JAN/MIL specifications wherever practicable.



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