

1. INTRODUCTION

The Dynaload is a precision instrument which simulates electrical loads to test power supplies, generators, servo systems, batteries, and similar electrical power sources. It simulates, at the option of the user, resistive loads (amps/volt) or may be switched to a constant current load characteristic (current regulated at a pre-selected value) or a constant voltage type of load (similar to a battery or a zener diode). Provisions are also made for external programming in automated test set-ups. The external programming voltage is from 0-6V with an input impedance of 10K minimum. Load current is directly proportional to programming voltage and the sensitivity is adjustable with the front panel current adjustments.

2. SPECIFICATIONS

The following ratings apply:

Load voltage: 0-50V

Load current: 0-150A

Power dissipation: 1-3000W

Overload rating: 10%

Self-protection: Overvoltage--less than 60V

Overcurrent--less than 160A

Over-power--less than 3500W

Mode Selector Switch Positions, from left to right:

Position 1: Constant resistance 0-5 A/V as determined by the front panel