



PTE111 Programmable Load Simulator

Features

- Resistive, Inductive, and Capacitive Load
- Six channel multiplexer
- Software controlled via RS-232 interface
- LED active channel indicator
- 10A capacity per channel
- Windows compatible DLL
- Soft Front Panel

Summary

The model PTE111 programmable resistive, inductive, capacitive load simulator simulates various loads to support testing. The load can be switched to one of six output channels via an on board multiplexer, or all channels off. For special situations, channels can be shorted together as well.

The basic device supports programmable resistance, and enable/disable for inductance and capacitance. However, each unit can easily be tailored to the customer's specific requirements. There are 10 programmable levels, each of which can support a resistor, inductor, or capacitor. Some sample configurations achievable:

Sample Configuration One:

Resistance: 1-4 Ohms in 1 Ohm steps
 Capacitance: 100 uF to 400 uF in 100 uF steps
 Inductance: 10 uH to 20 uF in 10 uH steps

Sample Configuration Two:

Resistance: 10-20 Ohms in 10 Ohms steps
 Capacitance: 1 uF to 2 uF in 1uF steps
 Inductance: 100 uH to 400 uF in 100 uH steps

In addition to each of the values, an off (tristate) condition is also supported.

Specifications

Load:

Types: Resistance, Capacitance, Inductance
 Values: Customer Specified Values
 Current: 10A Max
 Power: 250W Continuous

Program Interface:

RS-232 @ 9600 Baud

Power Requirements:

115VAC @ 2A External Power Supply

Mechanical:

Form Factor: 2HU Rackmount
 Dimensions: 3.5"Hx19.0"Wx12.0"D
 Program Connector: RJ11

I/O Connectors:

Standard Banana Jacks

Environmental:

Operating: Temperature: 0°C to +45°C
 Humidity: 5 to 90% @ 40°C Non-Condensing
 Storage/Transit: Temperature: -25°C to +70°C
 Humidity: 5 to 50% @ 40°C Non-Condensing
 Altitude: 10,000 ft above sea level

Ordering Information

Part Number: 301-1100
 Includes: Unit, Power Supply, Windows DLL, Soft Panel

Consult factory for: Custom configurations.

