

## II. SPECIFICATIONS AND GENERAL DESCRIPTION

### AC DIELECTRIC TEST SET

MODEL NO: 7100/50-10  
PART NO: DS14-1540

#### SPECIFICATIONS

Input	240	V ac, 60 Hz, 21 A
Output	100	kV ac @ 100 mA Ac
Output	50	kV ac @ 200 mA Ac
Distortion less than 5%		
Duty	<u>10</u> kVA @ 1 Hr., <u>7.5</u> kVA Continuous	
Kilovolt Meter	0-25/50/100 kV Ac	2% Accuracy
Current Meter	0-1/10/100/250 mA Ac	2% Accuracy
Control Size	20-1/2"H x 21"W x 19"D	
Tank Size	Rd. 31-1/2"H x 42-1/2"D w/bushing x 25-1/2"W	

#### GENERAL DESCRIPTION

Hipotronics' AC Dielectric Test Sets are ruggedly designed systems engineered especially to provide AC test power for a variety of capacitive inductive or resistive loads. Each unit is engineered and built for a long lifetime of service.

We at Hipotronics are keeping pace with new engineering solutions and more reliable dielectric testing methods to meet the needs of industry. All of our insulation testers are conservatively designed to insure highest quality and dependability. The most advanced techniques have been used to more than comply with the growing reliability standards imposed by the industry. Also, years of engineering experience have made it possible to manufacture test sets with ease of operation and operator safety and integral consideration in every design.

Where supplied, corona free (partial discharge) units are designed for extremely low noise levels. Each high voltage component undergoes the strictest processing controls employed today so that long stable operation is maintained in our AC Dielectric Test Sets.

### III. FEATURES AND OPTIONS

#### FEATURES:

Continuously adjustable output

Continuously adjustable overload from 25-110% of rated current

"Zero Start" interlock

External interlock provisions

Triple range voltmeter, output connected

Single range current meter

Backup overload breaker

Meter recalibration potentiometers (if applicable)

HV "ON" and "OFF" pushbuttons

Indicator Pilot Lights: Main Power, Control Power, H.V. on,

Intlk. Open, and Overload

#### OPTIONS (CHECKED IF APPLICABLE)

\_\_\_\_\_ Corona Detection Equipment

\_\_\_\_\_ Motorized Output Control, single speed

\_\_\_\_\_ Motorized Output Control with 10:1 range of Adjustment

\_\_\_\_\_ "HV On" Dwell Timer

\_\_\_\_\_ Memory KV Meter

\_\_\_\_\_ Completely Automatic Test Programming

\_\_\_\_\_ Burn Feature

  X   Tapped Secondary

\_\_\_\_\_ Test Fixtures and Jigs

\_\_\_\_\_ HV Warning System

\_\_\_\_\_ OTHER: