

## AUTOMATIC SAFETY TEST PANEL

MODEL :AUTOTEST - 001U - PE-140



- Carries out open circuit /short circuit test,HV test, ECR test, Leakage current test and wattage test automatically & sequentially.
- Digital Indication of all the para meters with accuracy of class 1 or better.
- User adjustable set value parameters - on front panel controls.
- Auto/Manual operation.
- Test ON and test FAIL Indication by means opf individual LEDES.
- Facilities to bypass any test / tests.
- Test time continously adjustable between 1 to 10 sec.
- Facility to abort the test cycle after any test / tests failures.
- Modular construction for easy serviceability.
- Easy to operate even by unskilled person.
- Supplied with an attractive, transperant, rugged acrylic box with built in limit switch to house the appliance under test.
- An ideal Automatic instrument to carry out Pre Dispatch Safety Tests of industrial / domestic appliances.
- Designed with relevant ISI drafted specifications.
- Calibration certificate traceable to international standards meeting ISO9000/ ISI requirements.

### OPEN CIRCUIT / SHORT CIRCUIT TEST

During OC/SC test, the appliance is tested for its coil resistance Minimum (0 to 20) & Maximum (80 to 100ohms ) resistance limits are adjustable internally (Factory set).

### H V TEST

**Test Voltage :** 0 to 1.5 KV continuously user adjustable by means of Dimmer, Voltage read on digital KV meter.

<b>Display</b>	: 3.5 digit, 0.5" Ht red LED .
<b>Range</b>	: 0 to 1.50" KV
<b>Resolution</b>	: 0.01 KV.
<b>Accuracy</b>	: 0.6% $\pm$ 1 Count.

### PREMIER ELECTROSYSTEMS

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**Test current** : 5,10,20 or 30m Amp adjustable by rotary selector switch.

#### **EARTH CONTACT RESISTANCE TEST**

**TEST CURRENT** : 25 Amp adjustable by means of dimmerstat,  
Current read on digital current meter

**Display** : 3.5 digit, 0.5" Ht red LED .  
**Range** : 0 to 30.0 Amp  
**Resolution** : 0.1 Amp  
**Accuracy** : 0.6%  $\pm$  1 Count.

**CONTACT RESISTANCE** : Measures and reads on  
: 3.5 digit, 0.5" Ht red LED upto  
: 0 to 1.999 Ohms.

Setting is Continuously user adjustable by means of potentiometer between 0 to 0.2 ohms.

**LEAKAGE CURRENT TEST** : Measures and reads on 3.5 digit, 0.5" Ht red LED display up to 0 to 1.999mA & compares it with the user adjustable setting by means of potentiometer.

**WATTAGE TEST** : Measures and reads on 3.5 digit, 0.5" ht red LED display having

**Range** 0-100 watts

In any of the above tests, if the actual test parameter crosses the set limit, corresponding red LED indicating test failure comes on.

Toggle switch control has been provided to bypass any test/tests if desired.

Facility to abort the test cycle after test/tests failure is provided.

After the complete test cycle, test over indication comes on.

Reset facility by means of push button switch has been provided to reset the system.

The system in manual mode can be selected to perform any one of the test.

The test cycle begins by pressing START push button & can be stopped in between if desired by pressing STOP push button.

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