PREMIER ELECTROSYSTEMS

PRECISION IN TESTING, EXCELLENCE IN AUTOMATION.
**Testing · Measurement · Automation**

PREMIER'S

# HIGH VOLTAGE BREAKDOWN TESTER

**MODEL PE 100 SERIES**

**USER MANUAL**

## OPERATING INSTRUCTIONS

### A To set the current limit

1. Press the SET button on the unit.
2. Using the UP / DOWN keys, navigate to the option **mAmP** (milliamp setting).
3. Press the SET button, the first display starts blinking.
4. Using the UP and DOWN keys, adjust the required value in mA.
5. Press the SET button, the first display stops blinking, and then press the ESC button.

**The required current limit is now set.**

### B To set the timer

1. Press the SET button on the unit.
2. Using the UP / DOWN keys, navigate to the option **tImE** (TIME).
3. Press the SET button, the first display starts blinking.
4. Using the UP and DOWN keys, adjust the required value in seconds.
5. Press the SET button, the first display stops blinking, and then press the ESC button.

**The required time is now set.**

### C To reset the timer

1. Press the SET button on the unit.
2. Using the UP / DOWN keys, navigate to the option where the 2nd display shows **rSt** (Reset) and the top display shows **YES**.
3. Press the SET button.

**The timer is now reset to 0.**

**OR**

1. Press the ESC button for 5 seconds when the test is off (from version 1.2 onwards only).

## HOW TO USE AN HV TESTER

1. Connect the HV probe to the Line & Neutral pin of the appliance plug. (Short Line and Neutral using a wire)
2. Connect the Ground probe to the body of the appliance.
3. Keep the dimmer at minimum position.
4. Start the HV test and gradually increase the voltage to the test voltage specified (depending on product to be checked).
5. Current limit is set as per the product to be checked (e.g. for domestic appliances it is 5 mA).
6. Time duration for the test is 60 sec (default).
7. HV tester will indicate pass or fail for the sample.

**SCAN FOR VIDEO DEMO**

Scan the QR code with your phone camera to watch the video.

## OTHER FUNCTIONALITIES

*Factory programmable*

- Change the time base to seconds, minutes or hours, or disable the timer.
- Change the buzzer setting to 'alert on test fail' or disable the buzzer. (Default setting: buzzer on when HV is on, for safety.)

*Our Product Range: Process Indicators, Temperature Controllers, Counters, Timers, Sensors, Data Loggers, ISI Testing Instruments*

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