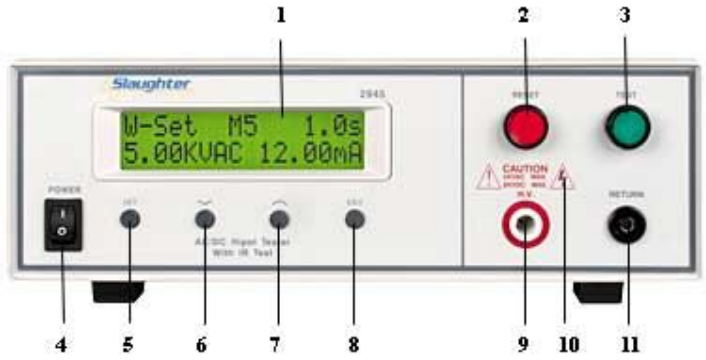
Quick Start Série 2900

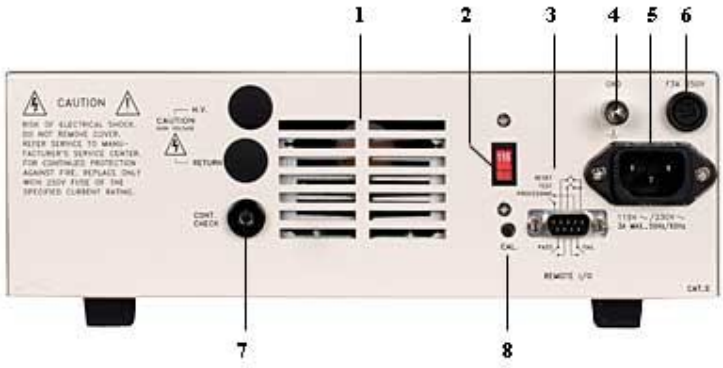
Front Panel Controls



1. **LCD DISPLAY:** The Liquid Crystal Display is the main readout for the operator and programmer of the test settings and test results.
2. **RESET SWITCH:** This is a momentary contact switch. If a failure is detected during a hipot test or an IR test or if continuity failure occurs, the red failure lamp within the switch will light. To reset the system for the next test, press and release this switch. This switch may also be used to abort a test in progress.
3. **TEST SWITCH:** This is a momentary contact switch. Press the green switch to turn on the high voltage output when in test mode. The indicator lamp within the switch will light when continuity is present, if continuity mode is enabled.
4. **POWER SWITCH:** Rocker-style switch with international ON (|) and OFF (0) markings.
5. **SET KEY:** Use this key to advance forward through the setup menus.
6. **DOWN ARROW (∨):** Use this key to decrement numeric values in the setup mode. This key also used to toggle ON/OFF functions. Also may be used to decrease output voltage during a test in 10-volt increments.
7. **UP ARROW (∧):** Use this key to increment numeric values in the setup mode. This key also used to toggle ON/OFF functions. Also may be used to increase output voltage during a test in 10-volt increments.
8. **EXIT KEY:** Use this key when you desire to enter the Run Mode to initiate a test.
9. **HIGH VOLTAGE OUTPUT JACK:** For the connection of the detachable 6-foot high voltage test lead or test probe. The jack is recessed for safety when this lead is not being used.
10. **HIGH VOLTAGE ARROW (LED INDICATOR):** This indicator flashes to warn the operator that high voltage is present at the high voltage output terminal.
11. **RETURN OUTPUT JACK:** For the connection of the detachable 6-foot black return test lead or three-prong receptacle adapter box. This jack is always used when performing a test.

Tex Testes e Medição Importação e Exportação Ltda
Rua dos Buritis, 128 – Bl A – Cj 306 – Parque Jabaquara - Cep: 04123-000 – São Paulo – SP
Fone: 0 XX 11 5012 8118 Fax: 0 XX 11 3213 9344
http://www.texinstrumentos.com.br

Back Panel Controls



1. **THERMAL FAN:** To cool the instrument.
2. **INPUT POWER SWITCH:** Line voltage selection is set by the position of the switch. In the down position, it is set for 115-volt operation, in the up position it is set for 230-volt operation.
3. **REMOTE INPUT/OUTPUT:** 9-pin D subminiature male connector for remote control of test and reset function as well as for monitoring PASS, FAIL, and PROCESSING output relay signals.
4. **CHASSIS GROUND (EARTH) TERMINAL:** This safety terminal should be connected to a good earth ground before operation.
5. **INPUT POWER RECEPTACLE:** Standard IEC 320 connector for connection to a standard NEMA style line power (mains) cord.
6. **FUSE RECEPTACLE:** To change the fuse unplug the power (mains) cord and turn the fuse cap counter clockwise to remove the fuse.
7. **CONTINUITY CHECK OUTPUT JACK:** For the connection of the detachable 6-foot black return test lead. This jack is always used when performing a continuity test.
8. **CALIBRATION ENABLE KEY:** To enter the calibration mode press this key while the instrument is being powered ON

Quick Start

The 2900 series comes ready with the following factory default settings in memories 1 - 5. These default settings will remain unless overridden with your own test program. Before beginning, please make sure the input voltage selector switch is set correctly on the back panel (115 or 230).

Defaults

- Input Voltage: 115 or 230 volts AC country specific (rear panel switch selectable)
- Lock: OFF
- Test: W

Dielectric Withstand Test Mode Defaults

- Voltage Output: 1,240 volts AC
- High Current Trip: HI-LMT: 10 mA
- Low Current Trip: LO-LMT: 0 mA (2925 and 2935)
- Ramp Timer: 0 second (2925, 2935, 2945)
- Dwell Timer: 1 second
- Voltage Type: AC
- AC Output Frequency: 60Hz
- Continuity: OFF

Insulation Resistance Mode (model 2945) Defaults

- Voltage Output: 1,000 volts DC
- High Resistance Trip: I - High: 0 MΩ
- Low Resistance Trip: I - Low: 1 MΩ
- Delay Timer: 2 seconds

To change factory defaults simply press the “set” key on the front panel. This will toggle through the following parameters:

- Memory
- Test
- W-Mode (shown on model 2945) or Mode (shown on model 2925 & 2935)
- W-Volt (shown on model 2945) or Volt (shown on model 2925 & 2935)
- W-High (shown on model 2945) or High (shown on model 2925 & 2935)
- W-Low (shown on model 2945) or Low (shown on model 2925 & 2935)
- W-Ramp (shown on model 2945) or Ramp (shown on model 2925 & 2935)
- W-Dwell (shown on model 2945) or Dwell (shown on model 2925 &2935)
- W-Freq (shown on model 2945) or Freq (shown on model 2935) (Available in AC Hipot Mode Only)
- W-Continuity (shown on model 2945) or Continuity (shown on model 2925 & 2935)
- I – Volt (2945 Only)
- I – High (2945 Only)
- I – Low (2945 Only)
- I – Delay (2945 Only)

The "up" and "down" arrow keys will toggle and change the settings on each parameter. Pressing exit will automatically save those parameters.

Test Connections

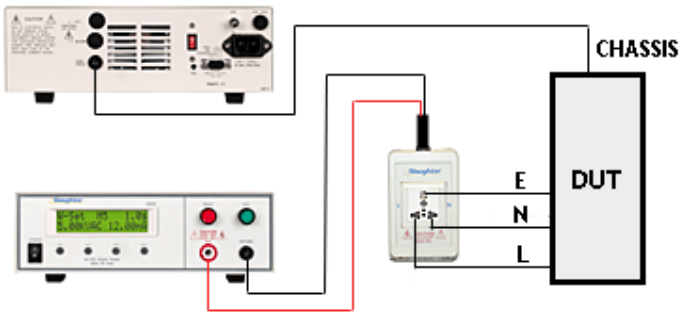
To connect the 2900 series to a DUT, first connect the black return lead into the front panel receptacle. Then connect the high voltage lead (w/ red clip) or probe, which-ever one you are using for your application into the high voltage recepatacle on the front panel.

Next attach the black return clip to exposed or dead metal located on the chassis of the DUT. Always connect the ground return first.

If you are using the high voltage clip, make sure you attached the red clip to the current carrying conductors of the DUTs circuitry. If you are using the test probe, simply apply the probe to the appropriate current carrying conductors.

The adapter box is provided as an optional accessory for the 2900 series of Hipot Testers. This provides an easy way to connect to a DUT that is terminated in a two-prong or three-prong line cord.

In order to use the adapter box, continuity must be enabled. This is set up in the instruments menus. First plug the return lead from the adapter box into the front panel return jack on the 2900 series Hipot tester. Then plug the high voltage lead from the adapter box in the front panel high voltage jack. If you are testing a three-prong DUT, then connect the continuity cable into the back panel continuity jack on the instrument and attach the clip terminated end to the chassis of the DUT. If it is a two-prong DUT then this cord must be removed. Finally plug the DUT into the adapter box.



Tex Testes e Medição Importação e Exportação Ltda
Rua dos Buritis, 128 – Bl A – Cj 306 – Parque Jabaquara - Cep: 04123-000 – São Paulo – SP
Fone: 0 XX 11 5012 8118 Fax: 0 XX 11 3213 9344
http://www.texinstrumentos.com.br