



Steps to make a Test:

- Place the sample under test on the table.
- Set the following parameters:
 - Voltage Test.
 - MAX Current.
 - Current limit fails.
 - Amount of drops.
 - Time between drops.
 - Maximum length of the fault current.
 - Number of report.
 - Name of the client.
- Do click on the "Test" button.
- The system will perform the following steps:
 - Actuate the relay that shorting the electrodes to measure current.
 - Increase the voltage between electrodes, until the voltage setting.
 - Increase the current until you reach the maximum current setting on this screen.
 - Power off of the relay short circuit.
 - Begin to drop drops at regular intervals.
 - Measure current and voltage at each drop.
- After the drop falls, the current system measures every 0.5 sec to see if it was cutting current (set to advance) and refresh the main screen with the values of voltage between electrodes and current.
- At the end of the test you will see a screen that will tell you how the test ended:
 - Because all the drops fell setuid for you and there was no current exceeding the current limit (**Test OK**).
 - Because the test was canceled by You (**Test CANCELLED**).
 - Because the system recorded a current exceeding the current limit (**Test with FAILURE**).
- If it is necessary to stop the test for any reason, press the **Esc** key (Escape), which will cancel all operations in progress and left the equipment in the initial conditions.

The **Tracking Index Test Apparatus** from Seguridad Eléctrica is designed to determining the Comparative tracking Index (CTI).

The **Tracking Index Test Apparatus** from Seguridad Eléctrica is totally controlled by PC (Embedded PC) with drop indication, voltage indication, current indication and timmer indication on a 19" digital display LCD.

IEC 60112.

Method for determining the comparative and the proof tracking index of solid insulating materials under moist conditions.

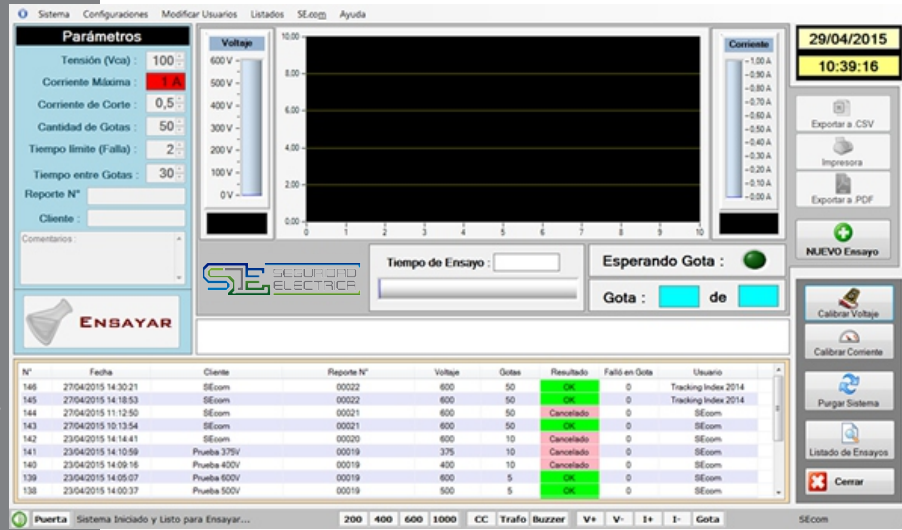
This method simulate tracking currents on insulation material by providing drops between electrodes. During normal use insulating material may be exposed to moisture and dirt that, if conductive, may cause stress and fire hazard.

The sample to be tested is subjected to a voltage between **0 to 600 Vac** by means of two electrodes resting on it with a load of 1 Newton. Between electrodes, drops of conductive solution are dropped

Software Specifications

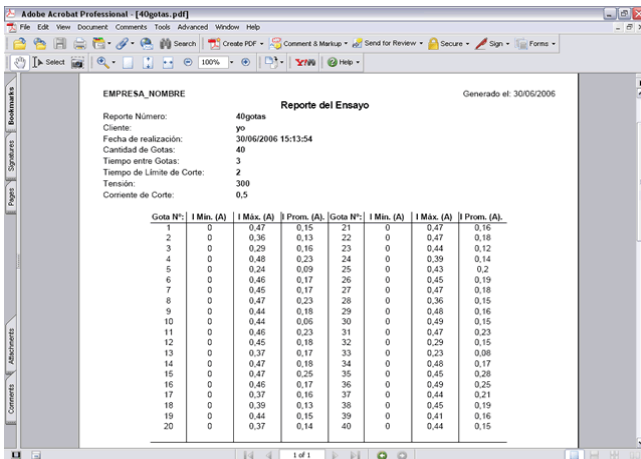
- Easy to use.
- Save all tests.
- Make test list.
- Multi languages:
 - Spanish.
 - English.
 - Francais.
 - Portugues.
- Export to CSV files (ASCII format).
- Export to PDF files (to send by email or print).
- Screen to Calibration.
- Restricted access with user and password.
- Connection: USB port.
- Operating System: Windows

▼ Main Screen



Technical characteristics.

▼ PDF Report



Gota N°:	I Min. (A)	I Max. (A)	Prom. (A)	Gota N°:	I Min. (A)	I Max. (A)	Prom. (A)
1	0	0,47	0,15	21	0	0,47	0,16
2	0	0,36	0,13	22	0	0,47	0,18
3	0	0,29	0,16	23	0	0,44	0,12
4	0	0,48	0,23	24	0	0,39	0,14
5	0	0,24	0,09	25	0	0,43	0,2
6	0	0,46	0,17	26	0	0,45	0,19
7	0	0,45	0,17	27	0	0,47	0,18
8	0	0,47	0,23	28	0	0,36	0,15
9	0	0,44	0,18	29	0	0,48	0,16
10	0	0,44	0,06	30	0	0,49	0,15
11	0	0,46	0,23	31	0	0,47	0,23
12	0	0,45	0,18	32	0	0,29	0,15
13	0	0,37	0,17	33	0	0,23	0,08
14	0	0,47	0,18	34	0	0,48	0,17
15	0	0,47	0,25	35	0	0,45	0,28
16	0	0,46	0,17	36	0	0,49	0,25
17	0	0,37	0,16	37	0	0,44	0,21
18	0	0,39	0,13	38	0	0,45	0,19
19	0	0,44	0,15	39	0	0,41	0,16
20	0	0,37	0,14	40	0	0,44	0,15

Keyboard & mouse wireless



- Programmable Test voltage **0 to 600 Vca**.
- Programmable voltage current tracking system to ensure **1 A short circuit** current at all voltages from 0 to 600 Vac.
- Programmable current sensor with tripping circuit (**0,5 A**).
- Programmable drop interval from **0 to 60 seg**.
- Built-in **pumping device**.
- Drop indication, voltage indication, current indication and timmer indication on a 15" digital display LCD.
- Drop counter by optical sensor.
- **Totally controlled by PC** (Embedded PC).
- Programmable temporized of the test sequence.
- **2 Platinum electrodes**.
- Pre calibrated load on the electrodes, exerting a force of **1 Newton** each.
- Reference **IEC 60112**.
- Power Supply: 220 Vac 50-60Hz (115 Vac Optional).
- Fuse rating 3 A rapid 20 x 5 mm.
- Dimensions: 450mm x 550mm x 570mm (h). Approx.
- Clear acrylic cover for safety.
- Adjustable sample platform.
- Weight: **67 Kg** (with LCD).

Seguridad Eléctrica reserves the right to change the specifications or design without prior notice.