



Stretch your limits

Tracking index apparatus tester

Designed according to meet IEC 60112 “Method for determining the comparative and the proof tracking index of solid insulating materials under moist conditions” and other International standards (IEC 60335, IEC 60065, IEC 60745, IEC 61029) to determine compliance with safety requirements related to solid insulating materials under moist conditions.

This apparatus meets the requirements of international safety regulatory agencies such as UL, DNV, IMQ, BVSQ, ITS, I-RAM, CSA, VDE, DIN, INMETRO.

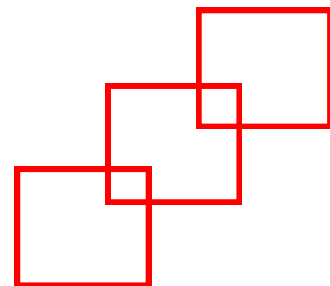
The method simulates tracking currents on insulation material by providing drops between electrodes. During normal use insulating material may be exposed to moisture and dirt that, if conductive, may cause stress and fire hazard.

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 at regular intervals.

A pump feeds electrolyte through a nozzle to produce drops which fall on the sample.

The number of drops allowed to fall on the sample are preset by drop counter.

Sensing of a drop stops the pump until the next timing signal is received. Automatic shutdown is achieved when the tracking current exceeds 0,5 A, registering a FAIL. After the present number of drops and no breakdown, the unit will revert to standby mode and indicate a O.K.

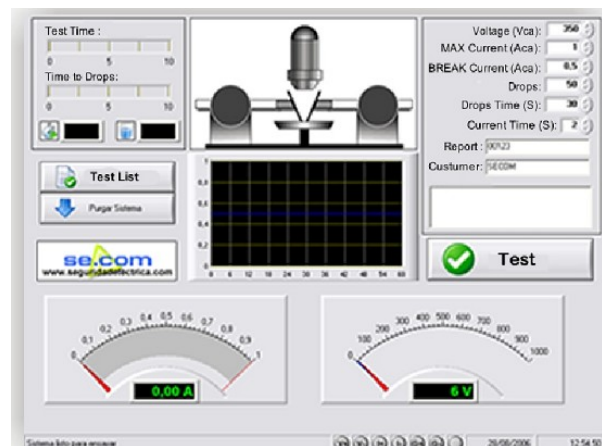


## Technical features

- 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 regulation mechanical.
- Drop indication, voltage indication, current indication and timer indication on a 15" digital display LCD.
- Totally controlled by PC (Embedded PC).
- Programmable temporized of the test sequence.
- Brass electrodes (option Platinum).
- Pre calibrated load on the electrodes, exerting a force of 1 Newton each.
- Reference IEC 60112.
- Supply 220 Vac 50-60Hz.
- Fuse rating 3 A rapid 20 x 5 mm.
- Dimensions 600 x 600 x 700 (h) mm. Approximate.
- Clear acrylic cover for safety.
- Adjustable sample platform.
- Weight 67 Kg approximate.

## Software

- Save all tests.
- Make test list.
- Export to CSV files (ASCII format).
- Export to PDF files (to send by email or print).
- Screen to Calibration.



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