

# Tracking Index Test Apparatus CTI 5



for determination of the proof (PTI) and the comparative (CTI) tracking indices of solid insulating materials according to standard DIN EN 60112 (IEC 60112)



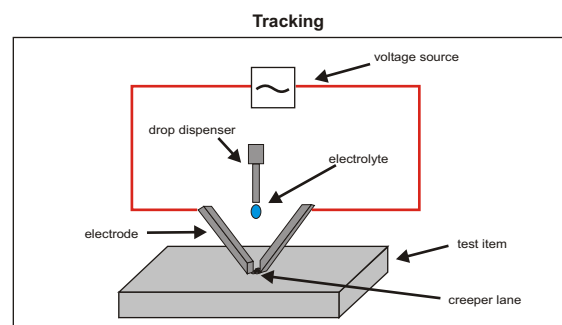
The tracking is with the CTI value (Comparative Tracking Index) is determined and with the PTI value (Proof Tracking Index) examined.

The CTI value indicates to which Voltage, the base material is not tracking shows, when 50 drops of a standardized electrolyte liquid are dropped.

Measured on the surface of the specimen, with a drop every 30 seconds falls between two platinum electrodes.

The functional structure allows, by fine adjustment of test voltage, current limit, turn-off time, drop size number of drops and accurate tests make.

The test voltage can be adjusted up to 1000 V.



- ▶ test unit to determine the relative resistance against tracking currents of solid insulating materials
- ▶ according to standard DIN EN 60112 (IEC 60112)
- ▶ determination of CTI / PTI
- ▶ adjustment of test voltage, test current, turn-off time, drop size und number of drops
- ▶ r.m.s display of current and voltage
- ▶ drop interval 30 sec

#### CTI - Comparative Tracking Index

Highest voltage at which no test specimen fail during testing on five samples and after the application of 50 drops in each case.

#### Technical Data:

Size in mm (W/H/L):	Control unit: 610 x 305 x 600
	Test unit: 610 x 550 x 450
Weight:	Control unit: appr. 45 kg
	Test unit: appr. 30 kg
Operating voltage:	230 VAC (± 5 %), 50 Hz, max. 4 A
Electrode voltage:	100 to 1000 VAC

#### Accessories:

platin electrodes  
gasket set for drop dispenser  
glass plate for testing table

#### PTI - Proof Tracking Index

Voltage at which during testing on five samples to which 50 drops are applied the samples pass the test with no failures/fail the test.