



**INSULATION TEST**

Routine and Scientific Testing  
for VPI / RR Insulation Materials.



EPRO - InsulationTest // Easy TanDelta

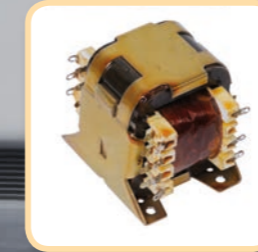


EPRO - InsulationTest // TanDelta



EPRO - InsulationTest // Premium

**INSULATION TEST**



All-Round Testing Solutions.



**Certificates and Approvals:**

- ISO 9001 Quality Management System
- Accredited Calibration Authority according to EN ISO / IEC 17025
- GOST Pattern Approval Certificate of Measuring Instruments
- PTB On-Site Verification of the Accuracy of a Current and Voltage Measuring System of an Accredited Calibration Laboratory



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**INSULATION TEST**

Easy Tan Delta

Versatile C and Tan Delta  
Tester for all kind of Insulation.

# Compact C and Tan Delta testing device for a wide range of test objects!

This machine is an **unique** and **ultra compact**, versatile device for **C and Tan Delta** testing of various test objects like transformers, capacitors, stators of electric motors, cables and many more.

Compared to conventional measuring methods for C and Tan delta this device is **much easier to operate**, and **cost effective**. It benefits from the close cooperation between EPRO and the users of EPRO's automated testing systems to generate the best test experience for the operator. The included software is field proven, intuitive and easy to operate.



## The Machine Highlights:

### AC Voltage:

- Amplitude adjustable 0 ... 630 VAC\*
- Frequency adjustable 10 ... 1000 Hz
- Output 50 VA\*
- \*other voltage or power on request.

### Safety:

- Safety lamps
- Port for external safety loop interlock

### Calibration:

The machine is modular. The measurement electronic is located in a plug-in module. For calibration, only this module can be dismantled and interchanged if necessary. This saves cost and maximizes the device availability in the lab.

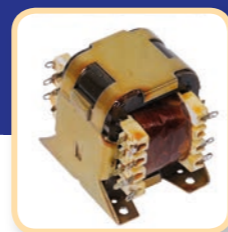
### »Machine Parts«

- test voltage transformer inside
- warning lamp „AC Power on“
- warning lamps „Safety Loop“
- port for measuring cable (standard Lemo HV)\*
- port for AC Power output (standard Lemo HV)\*
- port for temperature sensor (standard PT100, thermoelement on request)



\* user specific connectors on request

## Powerful Inside – Compact Outside!



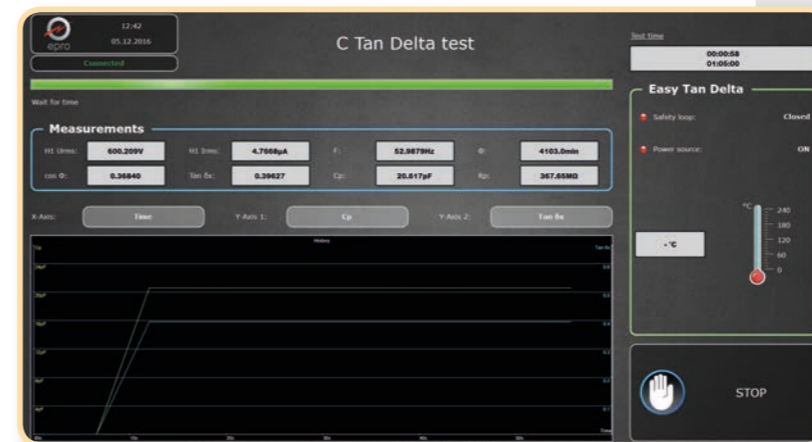
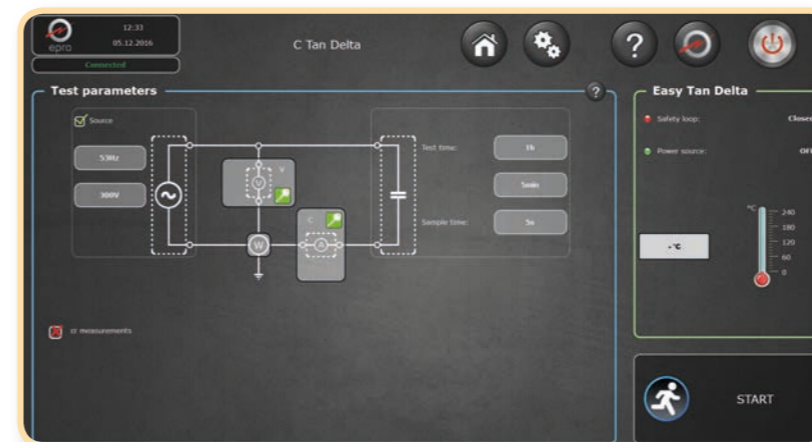
### »Measurement Accuracy«

Voltage accuracy:	± 0.025%
Current accuracy:	± 0.025%
Capacitance:	± 0.1% of rdg ± 1 pF
Tan Delta:	±0.1 % Rdg ± 5.10 <sup>-5</sup>
Power Factor / Cos Φ:	±0.1 % Rdg ± 5.10 <sup>-5</sup>

### »Measurement Range«

Capacitance:	10 pF to 1.5 nF*
Current measurement:	from 0.35uA to 890 uA*
Voltage measurement:	from 0.6 to 630V
Measurement range:	can be adapted on demand.

\*This Range is applicable for standard device, in case of special needs EPRO is at your disposal for customer specific definition.



### »Software«

All values and complete machine control is done via the included PC software (PC not included in delivery volume). The measured values are **recorded in real time** and saved in **Microsoft Excel format**. Values for **capacitance, Tan Delta, power factor and test time** are recorded, and can be graphically displayed in function of other parameters.

## Smart Features!

- **Plug and play measurement**
- **Easy and fast test setup**
- **Frequency and voltage ramp available**
- **Fast and economic calibration procedure**

### »PC Requirements«

- Quadri core processor, minimum i5
- 2 Pcs. Of free USB ports
- Minimum screen resolution 1600 x 900 pixel
- Microsoft Windows© XP / Vista / 7 / 8 / 10

