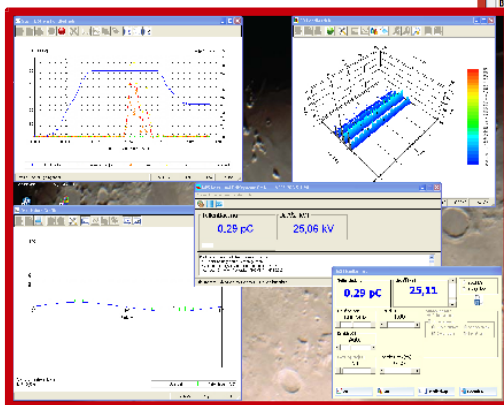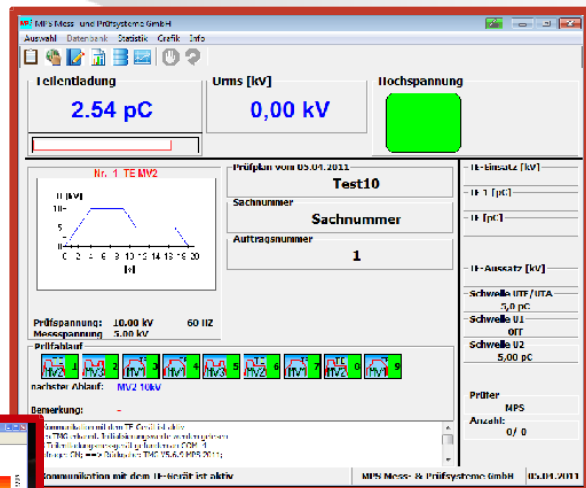MPS

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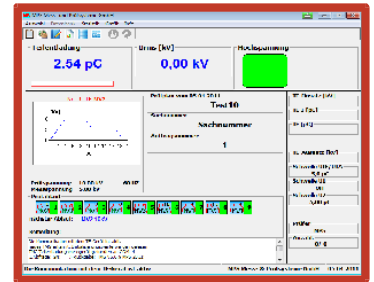Control and data processing software **MSPS**

# CONTROL AND DATA PROCESSING SOFTWARE **MSPS**

A complete remote control of the partial discharge test set TPP is possible
with software MSPS. It is designed on a data base and offers following
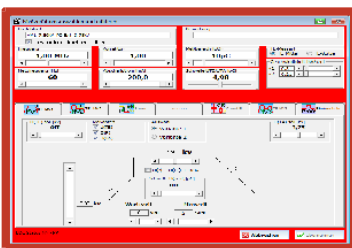possibilities especially for series fabrication tests and in the quality control.

- automated control of the PD - test and recording of measured
  values with the indication pass - fail - break down
- simple operation, only pressing the start button
- easy edition of the test parameters for the test sequences
- several successive test sequences are possible in one test plan
- combination of dielectric and partial discharge test
- additional test sequences for DC -test, current and capacitance measurement(option)
- password entrance check of protected parts of MSPS
- test report with all measured values and setting parameters
- automatic control of high voltage and measuring selector switch (option)
- statistical evaluation with graphical display of test results as a gaussian curve
- Log - files for failure diagnostics
- multi user access of one data base in connection with several PD - test sets(option)
- administration of calibration and measuring instrument data and process data recording of the PD-test set(option)
- Connection to a SQL- Server (option)
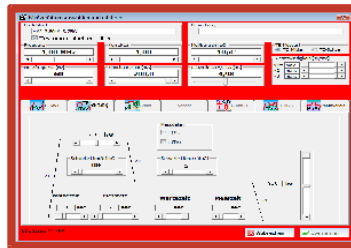
**Display for generating test procedures**

**Measuring sequence 1:**
For isolation tests with PD- inception
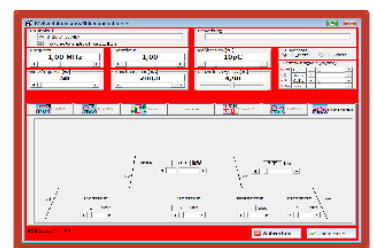and PD- extinction recognition

**Measuring sequence 2:**
For isolation tests with adjustable
voltage level for PD- tests

**Measuring procedure for
PV modules (option)**

**Partial discharge analysing software MSPS-G:**                More measuring procedures are available.

Knowing the level and number of PD-pulses in relation to the phase position is important to find out the cause of
failures, especially during development and testing of complex components.
The software MSPS-G allows to detect, display and analyse partial discharges, which will be displayed with number, level
and phase position. Following graphical displays are available

- coloured PD-pattern as fingerprint
- three - dimensional coloured PD – pattern
- oscilloscope display

Besides simple operation you have the advantage of adjusting any angle of view of the three - dimensional chart. It is
possible to load, save and export graphics. A module for presentation the voltage
and PD-graph along the time is available too.

**Partial discharge and voltage curve**
presents the voltage and PD graph along the time

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