

PDTS SOFTWARE

AUTOMATED DIELECTRIC, PD AND POWER FACTOR TEST SYSTEMS





FEATURES

Automated test routines

Combined dielectric and partial discharge test in a single software

Model-Sequence procedure

Manual and regulated modes

Database driven

BENEFITS

- Shorter testing time and consistent results can be achieved as test is remotely controlled by the PDTS software
- Combined tests can be performed at one time and combined reports for several tests can be easily printed
- In the "model-sequence" procedure, a test sequence is assigned to a test object type. Repetitive tests on test objects of same kind are therefore easily performed
- Additional manual and regulated modes allows the user to test special test objects where sequences are not possible (Ex. type test)
- All sequences and test results are stored in a database, making it easy to recall an old test or make backups

PDTS SOFTWARE

Application

HAEFELY HIPOTRONICS standard line of 700 series AC test systems are designed to perform AC High Voltage tests on electrical apparatus in accordance with IEC60610, IEEE 4 and IEC 60270.

Following customers requirements, we have combined our AC test sets from the 700 series with our partial discharge and power factor measuring system to create complete automatic test sets.

Automated test sequences

HAEFELY HIPOTRONICS, the pioneer in high voltage testing since 1904, has been continuously developing and improving this product line since the first AC test set in 1927.

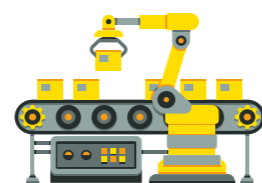
The combination of measuring instruments and high voltage power supplies, controlled from a single windows based computer software, allows easy control of test bays, automated test procedures and highest safety level.



SHIPPING



AUTOMATED TEST



MANUFACTURING

APPLICATIONS

Routine test of:

- Rotating machines and generator bars
- Switchgears
- Insulating materials
- Instrument transformers
- Connectors
- Capacitors
- Bushings
- Sample cable lengths
- Arrestors
- Transmission line hardware
- HV components



COMPLETE TEST CABINETS

PDTS systems are available as test cabinets including all necessary components and a test chamber.

- PDTS cabinets from 5 to 75 kV and up to 10kVA

STAND ALONE SOLUTIONS

Stand alone test systems

- From 5 to 200kV and up to 100 kVA (Other voltages or powers under request)



PDTS Galvanic isolation (optional)



Fiber optic link cable (optional)

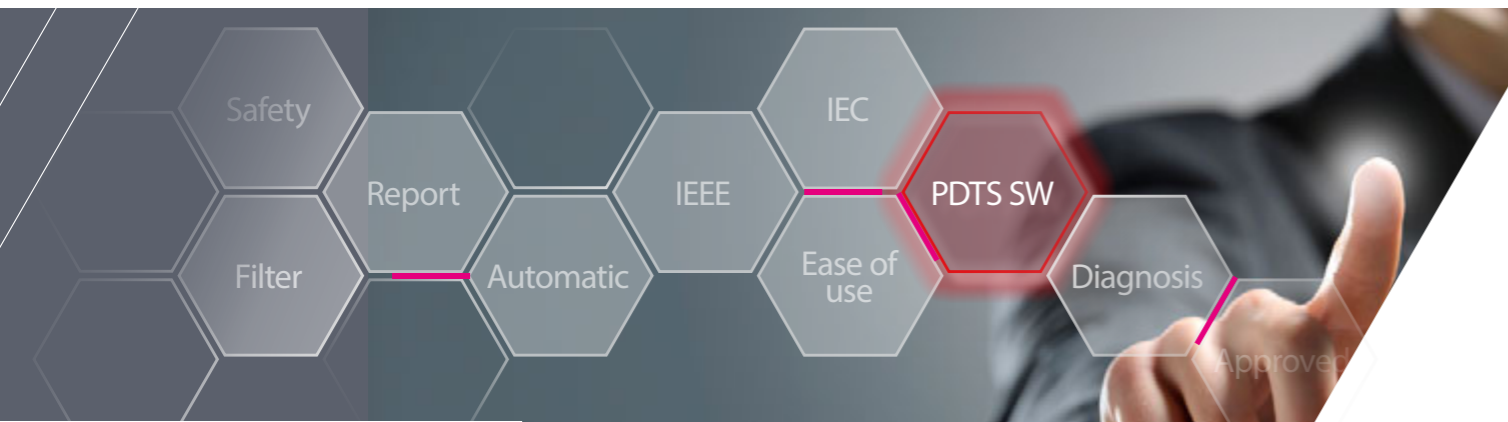


Single communications cable

With the PDTS remote control software a galvanic isolation between the HV power supply and the control room is possible increasing the operator's safety and partial discharge sensitivity.



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PDTS SOFTWARE EASY TO USE & PROVED

Large indicators

Charts



Measuring instruments' readings

Test results

Keep it simple

Intuitive Graphical User Interface - based on 40 years of field experience - simplifies operation and necessitates minimal training of test personnel.

- Test sequences can be programmed based on models .
- Automatic test, data collection and results recording with report generation capability.

FEATURES DON'T SELL SOFTWARE,
- EXPERIENCE DOES!

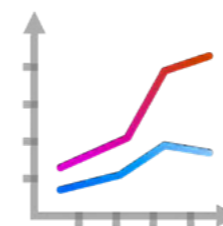
TEST DATA HANDLING AND REPORTING



Database driven

All models and their test sequences, as well as measurement results, are stored in a single file open source SQL database.

Backups and restore is easily done



Charts

Graphical information is faster and easier to understand, charts for all measured parameters are done while testing and recorded in the database for reporting or later use.



Reports

Customizable reports can be easily done based on the test information stored in the database. Reports can be printed and exported to PDF with a single mouse click.

CONTROLLED MEASURING INSTRUMENTS



DDX 9121b

The DDX 9121b is the latest in the HAEFELY HIPOTRONICS DDX family for partial discharge & radio interference voltage testing.



2823

The High-Precision Dielectric-Loss Analyzing System 2823 is designed for measurement of very low dielectric losses and impedances (Dissipation Factor and Power Factor) of high-voltage apparatus.



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