

Universal winding testers for stators

- RS232
- USB
- CAN
- GPIB
- Ethernet
- DeviceNet
- Profibus
- ActivX
- I/O
- SPS
- Print



With our patented surge test, our fully-automatic stator testers from the MTC3 line, enable you to test windings reliably and fast for possible insulation faults.

After the test object has been connected completely, the test with automatic switch-over of the connections and test methods is performed automatically. The MTC3 evaluates test step by test step. After the test process has been completed, it generates a clear and reproducible GO or NO GO statement.

For testing, for control and for the storage of data, we equip our winding testers with PCs. Using well-proven Microsoft® technology, we supply the user with a clear structured display of the test results. Operators, on the other hand, have extensive input and configuration features.

Numerous statistical analyses of the MTC3 testers support you with your quality assurance. With a great number of possible protocols, you can document the tested quality of your products.



MTC3 in 19"-cabinet



MTC3 in 19"-cabinet with dual test cover

Highlights

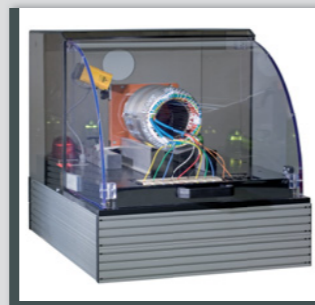
- testing of stators, generators and transformers from a few watts up to several megawatts
- digital surge test with patented evaluation
- detailed and well-proven surge tests with automatic evaluation
- automatic partial-discharge analysis for the detection of critical insulation faults
- high-voltage test AC according to VDE standards and insulation test DC
- 4-wire resistance measurement into the $\mu\Omega$ range with temperature compensation
- rotary-field test with static probe
- extension of the three winding connections to up to 18 connections
- temperature-sensor test for 1, 2, 3 ... x sensors
- integrated PC with Windows XP® or Windows 7®
- large database for storing test programs and test results
- extensive statistical evaluations
- individual print-out of test protocols and labels with bar-code on thermal-transfer printers
- bar-code reader for a clear identification of the test object
- operation of the MTC3 in complex PC networks
- data exchange with ERP systems
- remote maintenance and remote calibration
- optimum pre-conditions for OEM applications for an easy integration into automatic lines



MTC3 as universal winding tester for a repair shop



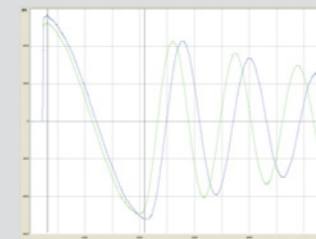
MTC3 in rolling container with separate dual test cover



Special test cover with prism and embedded stator-contacting device



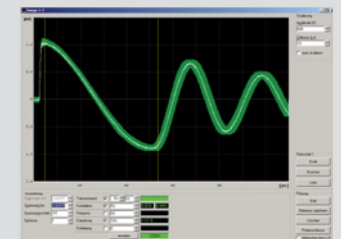
Terminal block, modular and configurable



Surge voltage



Partial discharge



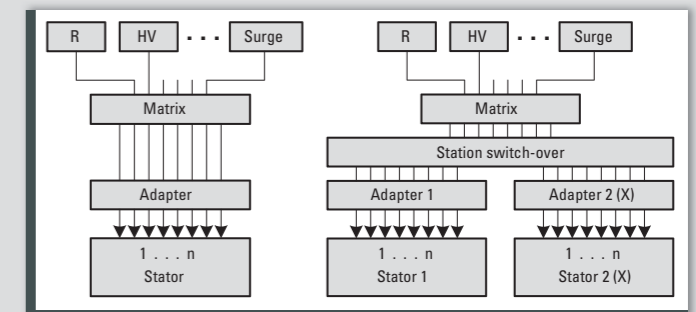
Surge voltage

The testers are built according to your requirements with the required number of winding connections. We can combine the test methods required for the stator test as desired. The design can vary: manual or automatic testing – single, dual or multiple test station – with or without test cover or test table – or testing in automatic production lines.

The enormous flexibility of our hardware and software puts us in a position to offer you a tailor-made tester that is reasonably priced.

Partial discharge test

With our tester MTC3, you can perform an automatic partial-discharge test at the high-voltage test AC and at the surge test. With this additional test, you will be able to find manufacturing errors and quality defects that remain hidden to all other test methods.



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