

# Surge Tester **ST 4000B**

Winding goods such as stators, coils or transformers can be tested precisely and conveniently with the ST 4000B surge tester.

Short circuits and insulation faults within a winding can be detected before the fault affects the DUT. Failures of electric motors and the associated recalls can thus be avoided. Guaranteed freedom from partial discharge of the test, switching and connection technology over the entire Voltage Range of the test device.

The test device is operated with an internal Windows PC and the easy-to-use DAT 3810 dataACquisition software. This means there are no limits to test plan creation and result storage. Network integration is not a problem, as the embedded Windows 11 used can be regularly supplied with security updates. The test sequences can be designed as required and then carried out automatically.



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## ST 4000B

		<b>ST 4000B</b>
		<b>Desktop device</b>
<b>Surge Voltage Test</b>	Voltage Impact Capacity Evaluation Method	100 V - 6000 V 18 nF (optional: 40 nF, 100 nF (other capacities on request)) Error area, differential error area, Tolerance Band, symmetry evaluation as well as inductance measurement 100 ns typical raise time according to EN 60034 High resolution recording of the surge voltage curve for precise evaluation
<b>Partial Discharge test</b>	Voltage Measurement Measurement Method	100 V - 6000 V according to IEC 61934
<b>Voltage Back Measurement (opt.)</b>	At the DUT Connection	100 V - 6000 V Measurement of overshoot
<b>High Voltage Test DC</b>	Voltage Range	100 V - 6000 V / 10 mA
<b>Insulation Measurement DC</b>	Measuring Range	100 V - 6000 V, 10 GΩ / kV
<b>Resistance Measurement (opt.)</b>	Measuring Range	20 mΩ - 200 kΩ, max. 1A
<b>Internal Matrix</b>		4 phases + pe
<b>General Data</b>	Mains Supply	90 V - 250 V   50 Hz / 60 Hz
<b>Interfaces</b>	Peripheral Interface Remote Interfaces	USB, HDMI Ethernet / LAN
<b>Optional Extensions in External Housing</b>		High Voltage Test AC, inductance measurement, capacitance measurement
<b>Accessories</b>		Partial discharge measuring antenna(s), environmental sensor, DUT contacting, workplace design
<b>Operation</b>	Touch for Input and DAT software	15.6"-Full HD color display
<b>Dimensions and Weight (approx.)</b>	Height Width Depth Weight	340 mm   13.3 in 553 mm   21.7 in 600 mm   23.6 in 50 kg   110 lbs