

# DATA SHEET

## Surge tester **ST 4000A**



Surge tester ST 4000A  
Slide-in 19" / 6 HE

<b>Description</b>	Winding goods such as stators, coils or transformers can be examined precisely and conveniently with the new ST 4000A surge voltage tester. Winding shorts and insulation faults within a winding can thus be detected before the fault affects the test item. Failures of electric motors and associated recalls can thus be avoided.	
<b>Surge voltage test</b>	Voltage	100 to 6.000 V
	Impact capacity	18 nF, optional: 47 nF, 100 nF, 200 nF
	Evaluation method	Error area, differential error area, tolerance band as well as symmetry evaluation
	100 ns typical switch-on time according to EN 60034 High-resolution recording of the surge voltage curve for precise evaluation	
<b>Voltage back measurement (optional)</b>	Measurement voltage (at DUT) for compensation at harmonics	100 to 6.000 V
	<b>High voltage test DC</b>	Voltage range
<b>Insulation measurement DC</b>	Measuring range	100 to 6.000 V, 10 GΩ / kV
<b>Resistance measurement (optional)</b>	Measuring range	20 mΩ to 200 kΩ, max. 1A
<b>Internal matrix</b>	3 phases + PE, 4-wire	
<b>General data</b>	PC software	DAT 3805
	Dimensions (HxWxD) and weight	270 x 483 x 491 mm / approx. 50 kg (1.06 x 1.90 x 1.93 in.)
	Mains supply	90 – 250 V, 50 Hz / 60 Hz
<b>Interfaces</b>	Peripheral interface	USB, HDMI
	Remote interfaces	Ethernet / LAN
<b>Operation</b>	Touch	15,6"-Touch Monitor, Full HD
<b>Optional extensions in external housing</b>	High voltage test AC, rotational direction detection, inductance measurement, capacitance measurement	
<b>Accessories</b>	DUT contacting, workplace design	