



CONTROL TRANSFORMER TEST SYSTEM TTS1000C SERIES

TEST SYSTEM FOR 1-PHASE AND 3-PHASE CONTROL TRANSFORMERS AND DC POWER SUPPLIES

These flexible test systems are ideal for the complete routine test of transformers according to IEC61558 and IEC60076.

All test steps are performed after a single connection. The alternating double test cabin allows a quick test by making the next connection while the test is running. Automatic testing with test plans for every product and automatic test certificate generation speed up the testing process and improve quality.

Our multilingual testing software allows comfortable operation of the whole test system.

The system is equipped with extensive engineered safeguards according to EN50191 to prevent operators from dangerous electrical voltages. The modular concept of the system is future-proof and allows further expansions.

APPLICATION

Control Transformer Routine Test

TEST STEPS

- No Load Current and Losses
- Voltage Ratio and Vector Group
- Output Voltage with DC Load
- Induced Overvoltage
- Winding Resistance
- High voltage
- PE conductor
- Insulation Resistance

KEY FEATURES

- PC controlled test system
- Sine inverter power supply
- Alternating double test cabin
- Full safety according to EN50191
- Free configurable test steps
- Comfortable, multilingual software

KEY BENEFITS

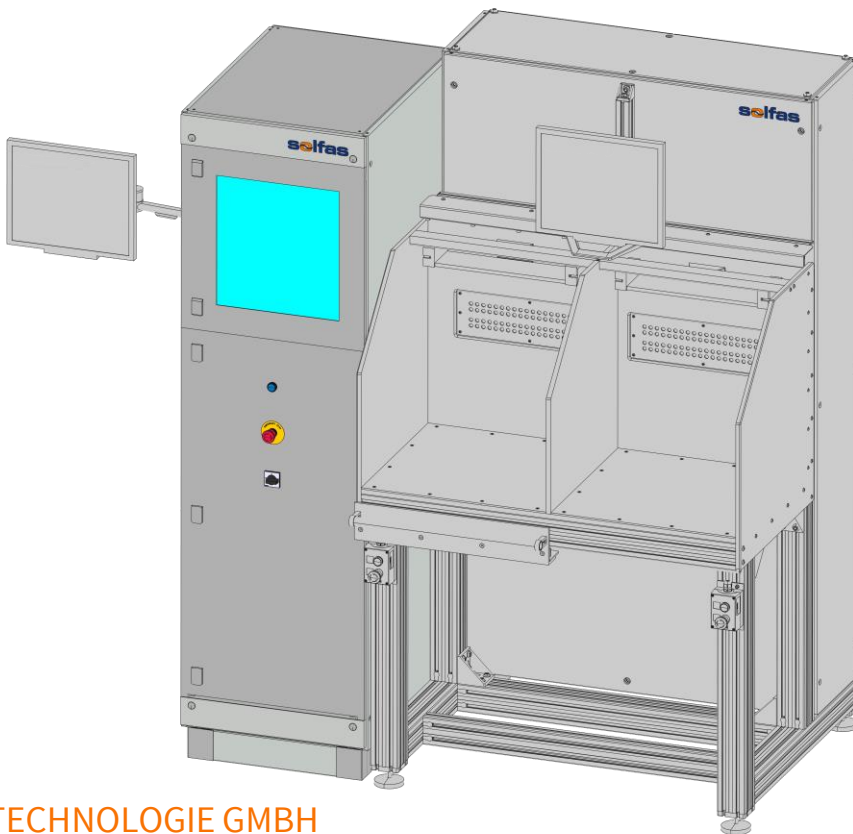
- Quick testing – High throughput
- One time connection for all tests
- Easy and safe operation
- Several reporting and traceability functions
- Test statistics

TECHNICAL SPECIFICATIONS

CONTROL TRANSFORMER TEST SYSTEM TTS1000C SERIES

Model	TTS1003C	TTS1005C
Output Power	3kVA 1-phase	5kVA 3-phase
Sine Power Supply Output Power Ranges¹	250V 12A 500V 6A 1000V 3A	250V 12A 500V 6A 1000V 3A
Transformer Rating	Typical up to 15kVA	Typical up to 15kVA
Output Frequency	50Hz-400Hz, Option 3000Hz for Induced Withstand Voltage Test	
Power Measurement	Precision power analyzer, Basic accuracy $\pm 0.02\%$ Rdg + 0.02% Rng	
Winding Resistance	4-wire Measurement, Resolution $1 \mu\Omega$, Accuracy $\pm 0.03\%$ Rdg + 0.015% Rng	
High Voltage Test	0.1 ... 6kV AC, 500VA	
Insulation Resistance (Option)	Test voltage 500V, 1000V, Resistance up to $2G\Omega$	
PE Conductor Test (Option)	Test current 10 ... 30A AC	
DC Load (Option)	Programmable DC Load Current up to 30A, 80V, 400W	
Safety Features	Complete plug & play solution for safe testing according to EN50191 Alternating Double Test Cabin, Emergency Stop and Warning Lamps	
Dimensions (WxHxD)	1800x2100x1100mm	

1) Customized ranges are available



SOLFAS TECHNOLOGIE GMBH

We specialize in the development and distribution of test systems, power supplies and measuring instruments. Experts in electrical testing and automation, our company offers a broad range of high-performance full-service testing solutions and measuring instruments. We provide clients in the automotive, aerospace, energy and traditional industry sectors with the equipment they need to test high power components, such as chokes, transformers and electric motors.