



GWS3000 SERIES SURGE VOLTAGE TESTER

High Voltage Surge Testing with Precision Voltage Measurement

The GWS3000 series are surge voltage testers designed for various electrical winding components, including stators, motors, coils, chokes, and transformers.

They are available in 3kV and 6kV versions, providing robust surge energy up to 1.8J and a surge capacitance of 100nF.

These testers offer precision voltage measurement with a high 12-bit resolution.

They come with comprehensive, user-friendly software for easy operation and support full remote control via Ethernet and USB interfaces, making them perfect for seamless system integration.

APPLICATIONS

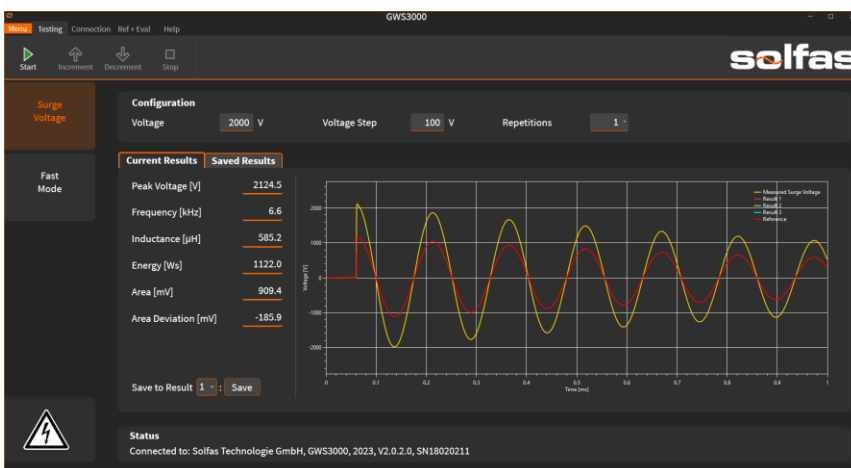
- Motor and Stator Surge Tests
- Transformer and Choke Tests
- Production or Laboratory use
- Voltage Source for PD Tests
- Test Systems Integration

KEY FEATURES

- Output Voltage up to 3kV or 6kV
- High Surge Energy up to 1800mJ
- Precision Voltage Measurement with 12Bit Resolution
- Full Safety Features (EN50191)
- Ethernet and USB Interface
- Remote Control by SCPI

KEY BENEFITS

- Easy Operation with PC Software
- Automatic Data Evaluation
- High Repetition Frequency
- Short Risetime for PD Tests
- Compact Size



GWS3000 SERIES

Technical Specifications

Output Data	GWS3000-3	GWS3000-6
Voltage	150...3000V _p	300...6000V _p
Surge Energy	450mJ	1800mJ
Surge Capacitance	100nF	
Impulse rise time	200ns	
Impulse repetition rate	1-10Hz	1-5Hz
Monitor Output (BNC)	1:1000 of Output Voltage	
Trigger Output (BNC)	Open Collector, Active Low, 5V max	
Voltage Measurement	Resolution 12Bit, up to 2.5MS/s Accuracy 0.5% ±0.5% of Range	
Communication Interfaces	10/100M Ethernet - RJ45 Connector USB 2.0 - Type B Connector	
Safety features	Connection for external emergency stop, safety circuit and warning lamps D-SUB15 Socket Connector	
Power Supply	85–264VAC, 47-63Hz, IEC C14 plug	
Dimensions (WxHxD)	449x133x375 mm (19" 3RU)	
Weight	8.5kg	

Ordering Information

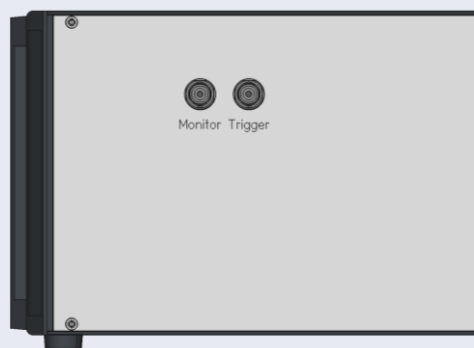
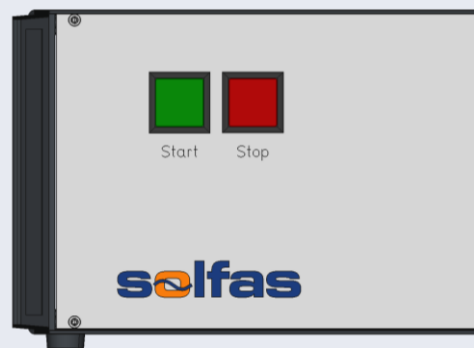
Article	Order number
GWS3000 Surge Voltage Tester 3kV	GWS3000-3
GWS3000 Surge Voltage Tester 6kV	GWS3000-6

Included Accessories

- Test leads, length 2m
- Ethernet, USB, Mains cable
- Safety interface connector
- Software and Instruction manual on USB-stick
- Calibration certificate

Optional Accessories

Warning lights Red / Green	ACC-WL1
Connection set for system integration	GWS-CABKIT



SOLFAS TECHNOLOGIE GMBH

We specialize in the development and distribution of test systems, power supplies, and measurement instruments. As experts in electrical test and automation, our company offers a wide range of high-performance, full-service test solutions and measurement instruments. We provide customers in the automotive, aerospace, energy, and traditional industries with the equipment they need to test high-power components such as chokes, transformers, and electric motors.