



HIGH VOLTAGE TEST SYSTEM GHV3000-5

HIGH VOLTAGE TEST SYSTEM WITH ELECTRONIC POWER SOURCE

This powerful test system provides a voltage up to 50kV for testing all kinds of components such as transformers, chokes, motors, semiconductors, switchgear and cables.

By the innovative and efficient frequency converter technique, a sinusoidal output voltage with low harmonic is generated.

The voltage is precisely measured and regulated.

The complete remote control via PC allows safe testing from the control room and increases safety and productivity.

APPLICATION

- Applied AC High Voltage Tests
- Partial Discharge Tests
- Transformers, Chokes
- Motors, Switchgear
- Cables, Semiconductors

KEY FEATURES

- Applied AC High Voltage Test
- Voltage up to 50kV
- Current up to 800mA
- Power 5kVA
- Frequency 50-60Hz
- Safety according to EN50191
- Ethernet interface
- Compact design

KEY BENEFITS

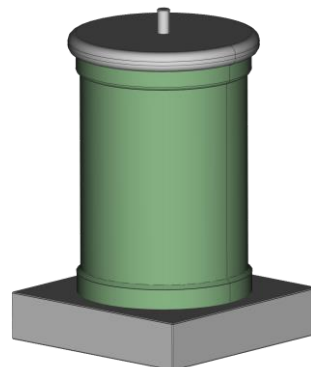
- Precise Voltage Regulation
- Fast Voltage Adjustment
- Voltage Ramps functions
- Suitable for PD tests
- Comfortable Remote Control from PC

GHV3000-5 TECHNICAL SPECIFICATIONS

5kVA HIGH VOLTAGE TEST SYSTEM 6kV...50kV

Model	GHV3000-5-6	GHV3000-5-12	GHV3000-5-25	GHV3000-5-50
Output power (60s ON, 180s OFF)	5kVA			
Output power continuous	2.5kVA			
Output range ^{1,2}	6kV 800mA	12kV 400mA	25kV 200mA	50kV 100mA
Output frequency	50-60Hz ¹⁾			
High voltage transformer	Single pole, oil-insulated, maintenance-free, cylinder type			
Input voltage	3AC 400V±5% 50-60Hz ¹⁾			
Input current	10A max.			
Measurements	Output voltage, Output current, Transformer input current Current accuracy 1.0% of range Voltage accuracy 2.0% of range			
Protections	Adjustable overcurrent limit, overvoltage, overtemperature			
Safety features	Internal emergency stop, connection for external emergency stop, connection for one safety interlock, warning lights, key switch, start and stop buttons			
Control unit dimensions (WxHxD)	550mmx600mmx600mm			
Control unit weight	63kg			
HV unit dimensions (WxHxD)	On request	On request	On request	On request
High voltage unit weight	On request	On request	On request	On request

¹⁾ for 60s ON, 180s OFF output current 50% for continuous operation ²⁾ other values available on request



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.