

High-Voltage AC-Test-Set

HVTS 50-10

Max. test voltage
50 kV \approx

Rise of sinus voltage ramp
3 - 50 kV/sec

Output current
1 - 10 mA



The High-Voltage Test-Set HVTS 5010 is designed for high-voltage testing of the electrical insulation of electrical equipment and electrical systems. Test voltage is adjustable up to 50 kV, 1 - 10 mA. The High-Voltage Test-Set HVTS 5010 mainly consists of a high-voltage transformer and a control unit. A motor driven variac generates the primary voltage of the high-voltage transformer. Output voltage can be selected from 2.0 to 50 kV with a voltage rise adjustable from 3 kV/sec to 50 kV/sec. Maximum output current is 10 mA. The output voltage is measured by a built - in capacitive voltage divider.

The HVTS 5010 features a microprocessor controlled user interface and a 5" touch screen unit for ease of use. The microprocessor allows the user to execute either standard test routines or a "user defined" test sequence. A standard USB port provides the ability to print a summary of the test parameters to a USB stick.

Technical specification:	HVTS 50-10
Mainframe control unit:	
Microprocessor controlled touch panel	5", 800X480, 24 bit
Optical Ethernet Interface for remote control of the generator	optional
Interface for saving reports	USB
Connector for external safety interlock loop	24 V =
external red and green warning lamps acc. to VDE 0104	230 V, 60W
HV unit:	
Test voltage, adjustable	2 - 50 kV \approx
Accuracy of the test voltage	< 2%
Rise of sinus voltage ramp, adjustable	3 - 50 kV/sec
Output current	1.0 - 10.0 mA
Accuracy of the test current	< 2%
Short circuit current	> 20.0 mA
High-voltage output, one terminal connected to GND	hv bushing
Connection for ground rod	M6
Connector for external safety interlock loop	24 V =
and external red and green warning lamps acc. to VDE 0104	230 V, 60W
Mains power	230 V, 50/60 Hz
Dimensions	W * H * D
	553*800*1250 mm ³
Weight	80 kg
Option:	
Test chamber on top, build in 19" rack, with security glass door, safety interlock protects the high-voltage output terminals. Upon opening of the door or switching-off of the generator, the HV output switch off. Test space ca.	W*H*D
	470*530*490 mm ³

A controller for level examination can be carried out by appropriate sets are parameterized.

Example:

