High-Voltage AC-Test-Set

HVTS 30-20
HVTS 30-40

Max. test voltage
30 kV≈

Rise of sinus voltage ramp
0.2 - 30 kV/sec

Output current
1 – 20 / 40 mA

The High-Voltage Test-Set HVTS 30-20/ 30-40 is designed for high-voltage testing of the electrical insulation of electrical equipment and electrical systems. Test voltage adjustable up to 30 kV, 1-20 mA/ 1-40mA. The High-Voltage Test-Set HVTS mainly consists of an high-voltage transformer and a control and display unit. Primary voltage of the high-voltage transformer is generated by a motor driven variac. Output voltage can be selected from 0.2 to 30 kV with a voltage rise adjustable from 0,4 kV/sec to 30 kV/sec.
Maximum output current is 20mA / 40mA. The output voltage is measured by a built-in capacitive voltage divider.

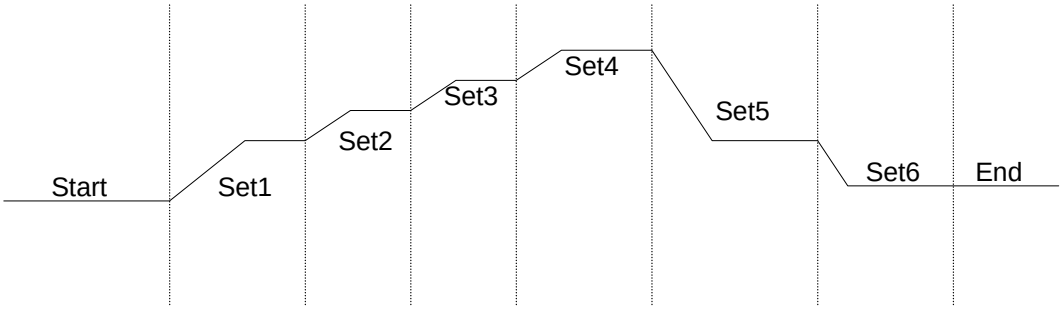
The HVTS 30-20/ 30-40 features a microprocessor controlled user interface and a 5” touch screen unit for ease of use. The microprocessor allows the user to execute either standard test routines or a “user defined” test sequence. A standard USB port provides the ability to print a summary of the test parameters to a USB stick.

HILO-TEST GmbH, Am Hasenbiel 42, D-76297 Stutensee-Karlsruhe, Tel. 07244/20500-0, www.hilo-test.de

Technical specification	**HVTS 30-20**	**HVTS 30-40**
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	0,2 - 30 kV≈/	
Accuracy of the test voltage	< 2%	
max. test current, overcurrent switch-off	1- 20mA	1- 40mA
Output current in mode “burn”, adjustable	1- 20mA	1- 40mA
Accuracy of the test current (from upper range value)	+/- 2%	
Rise of sinus voltage ramp, adjustable	0,24 - 30 kV/sec	
Test time at selected voltage level, adjustable	1 - 100 s	
High-voltage output, one terminal connected to GND	hv bushing	
Connection for ground rod	M 6	
Ground rod	0.7 m long	
Mains power	230 V , 50/60 Hz, 1250 VA	
Dimensions W * H * D	553*800*1250 mm^3	
Weight	60 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 mm³	

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

Example:



HILO-TEST GmbH, Am Hasenbiel 42, D-76297 Stutensee-Karlsruhe, Tel. 07244/20500-0, www.hilo-test.de