

AC-TESTER 6

Alternating voltage testing set

High-voltage test according to standards



According to

VDE 0700, VDE 0555, VDE 0113, VDE 0711, VDE0740

IEC 60335, IEC 60204, IEC 60598, IEC 60745

The alternating voltage testing set ACT ESTER 6 is suitable for the execution of the high-voltage test from isolations to VDE 0113, VDE 0700 part of 500, VDE of 0551 etc.

The device essentially consists of a regulating transformer with motor drive, a high voltage transformer and a control unit. The output voltage can be adjusted by 0 - 10 kV. The power of the HV-transformer amounts to 1 kVA, corresponds to a secondary current of 100 mA with 10 kV. The high voltage output of the transformer is attached to output clamps under the test cover. A built-in capacitive voltage divider allows monitoring the output waveform.

The generator can be operated in different modes.

The generator has an adjustable overcurrent detector. The high voltage transformer is switched off, if the output current exceeds the selected value. Alternatively, the generator can be operated with a current limiting.

The ramp slope of the testing voltage can be adjusted.

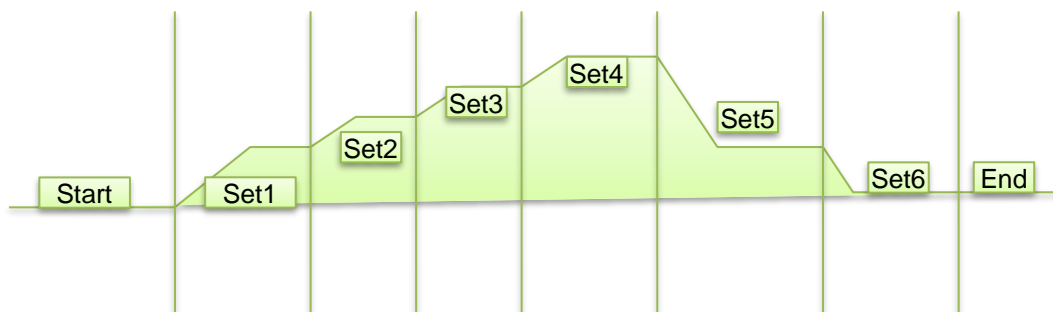
The generator excels by its compact design, simple handling and precise reproducibility of test impulses. It features a microprocessor controlled user interface and a 7" touch screen unit for ease of use. The microprocessor allows the user to execute either standard test routines or a "user defined" test sequence. A standard USB port provides the ability to print a summary of the test parameters to a USB stick.

The software program AC-REMOTE allows full remote control of the test generator via Ethernet light guide as well as documentation and evaluation of test results, accordingly to the IEC 17025. To record definite break downs, it is equipped with an Impulse Recording Function (IRF) Moreover all generator functions may be computer controlled via the isolated optical interface.

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

Example:



Option	AC-TESTER 6
Software AC-REMOTE, for remote control	
With Impulse Recording Function (IRF)	
(XP, WIN7, WIN10) incl. 5m long light guide and PC Ethernet interface	

TECHNICAL SPECIFICATIONS		AC-TESTER 6
Mainframe		
Microprocessor controlled touch panel		7", capacitive
Optical Ethernet Interface for remote control of the generator		optional
Interface for saving reports		USB
External Trigger input/ output		Switch/ 10V
Connector for external safety interlock loop		24 V=
External red and green warning lamps		24 V=, 40 mA
Mains power		230 V, 50/60 Hz
Dimensions of desk top case W * H * D		453*320*520 mm ³
Weight		40kg
HV-Generator Teil		
Test voltage, adjustable		100 - 10 000 V \approx
Test current		1 - 100 mA
Test current, adjustable		2 - 100 mA
Short circuit current, according to the requirements of VDE 0551		> 200 mA
Test mode, available		turn-off / burn
High voltage output, referred to ground		4 mm \varnothing
ext. measurement output for the test voltage		coaxial, BNC
Tolerance of output voltage amplitude		\pm 2% v.E.W.
Rise of sinus voltage ramp, adjustable		0.1 kV/s - 10 kV/s
Test time, adjustable, 1 sec/Step turn-off & burn		1 - 100 sec
Test time, adjustable, 10 sec/Step only for turn-off		1 - 1000 sec
Test cabinet, PA 504		
Safety interlock connector		break contact, 24V-dc
Red and green warning lights acc. to VDE 0104		220V / 10 W
High-voltage output connector		4 mm \varnothing
Interconnection cable		0.5 m long
Dimensions : W * H * D		555*480*600 mm ³
Test space : W * H * D		460*300*550 mm ³
Ground rod		
Accessories		
Mains cable, Key, Ground rod, Instruction manual.		