AC-TESTER 6

Alternating voltage testing set

High-voltage test
acc. to standards

VDE 0700, VDE 0555, VDE 0113,
VDE 0711, VDE 0740
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 AC Tester 6 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.

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.

The TESTER excels by its compact design, simple handling and precise reproducibility of test parameters

Technical specification	**AC-TESTER 6**
Microprocessor controlled touch panel	5”, 800X480, 24 bit
Optical Ethernet Interface for remote control of the generator	optional
Interface for saving reports	USB
External Trigger input	10 V at 1 kΩ
External Trigger output	10 V at 1 kΩ
Connector for external safety interlock loop (option without cabinet)	24 V =
External red and green warning lamps (option without cabinet)	230 V, 60W
Mains power	230 V, 50/60 Hz
Dimensions: desk top case W * H * D	453*320*520 mm^3
Weight	40kg
AC-Tester 6, High-voltage test	
acc. to standards: VDE 0700, VDE 0555, VDE 0113, VDE 0711, VDE 0740 IEC 60335, IEC 60204, IEC 60598, IEC 60745	
Test voltage, adjustable	10 - 10 000 V≈
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 ∅
ext. measurement output for the test voltage	coaxial, BNC
Tolerance of output voltage amplitude	± 2% v.E.W.
Rise of sinus voltage ramp, adjustable	0.1 kV/s - 10 kV/s
Test time at selected voltage level, adjustable	
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	
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 ∅
Interconnection cable	0.5 m long
Dimensions : B * H * T	520*300*620mm^3
Test space : B * H * T	440*200*380mm^3
Accessories:	
Mains cable, Key, Ground rod, Instruction manual.	
Option:	
Software AC-REMOTE, for remote control	
incl. 5m long light guide and PC Ethernet interface	

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

Example: