

AC - TESTER

High-voltage test and safety test:

High-voltage ac test
10 - 5000 V \approx , 500 VA

**Protective earth
Resistance**
2 - 500 m Ω , 10 A / 25 A

Insulation resistance
0.1 - 50 M Ω , 500 V=

Leakage current
0-2,5 mA / 0-25 mA

Supply current measurement
0 - 2,5 A, supply voltage 0 - 250 V

Acc. to VDE 0700, 0113, 0550



The AC-TESTER is a compact universal test unit designed for testing electrical insulation and electrical safety of electronic equipment and electrical systems.

- High-voltage test of electrical insulations up to 5 kV, 100 mA
- Measurement of protective earth resistance with test current 25 A
- Measurement of insulation resistance with 500 V=
- Measurement of leakage current, 0-2.5 mA or 0-25 mA, with supply voltage 0 - 250 V
- Measurement of supply current 0 - 2.5 A with supply voltage 0 - 250 V

All these test have to be done before using electrical equipment for the first time, see VDE 0700, VDE 0113, VDE 0550, VDE 0711, and VDE 0740 etc.

AC-TESTER features a microprocessor controlled user interface and display unit for ease of use. The microprocessor allows the user to either execute standard test routines, or a 'user defined' test sequence. The test parameters, which are shown on the built-in display, are easily adjusted by means of the rotary encoder. A standard parallel interface provides the ability to print a summary of the test parameters whilst testing is being carried out.

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

Technical specification:	AC-TESTER
Microprocessor controlled LCD module	8*40 characters
Parallel printer interface for on-line documentation	25-way 'D' connector
Connector for external safety interlock loop and external red and green warning lamps acc. to VDE 0104	24 V = 230 V, 60W
Mains power	230 V, 50/60 Hz
Dimensions: desk top case W * H * D	471*156*520 mm ³
Weight	25 kg
AC-TEST High-voltage test	
acc. to VDE 0700, VDE 0555, VDE 0113, VDE 0711, VDE 0740	
Test voltage, adjustable	50 - 5000 V _≈
Voltage rise: ramp function	5000 V/sec
Test current	1 - 100 mA
Short circuit current, according to the requirements of VDE 0551	> 200 mA
Burn-in current	1 - 100 mA
High-voltage output, potential free	2-outlets
High-voltage test pistol with cable	2 m long
PE-TEST Measurement of protective earth resistance	
acc. to VDE 0700, VDE 0555, VDE 0113, VDE 0711, VDE 0740	
four terminal measurement with Kelvin-probe or via built-in mains power outlet	
Range	2 - 500 mΩ
Test current	10 - 25 A
Test time, adjustable	1 - 100 sec
ISO-TEST Measurement of insulation resistance	
acc. to VDE 0700, VDE 0555, VDE 0113, VDE 0711, VDE 0740	
Range	0.2 - 50 MΩ
Test voltage	500 V= _≈
Connection of the test device to built-in mains power outlet	
LEAK-TEST Measurement of leakage current	
acc. to VDE 0700, VDE 0555, VDE 0113, VDE 0711, VDE 0740	
Leakage current	0 - 2.5 mA / 0 - 25 mA
Supply voltage, adjustable	0 - 250 V _≈
Connection of the test device to built-in mains power outlet	
SUP-TEST Measurement of supply current	
0 - 2.5 A	
Supply voltage, adjustable	0 - 250 V _≈
Connection of the test device to built-in mains power outlet	
Accessories: HV-test cable with test-pistol, Kelvin-probe, foot-switch, Mains power cable, instruction manual	