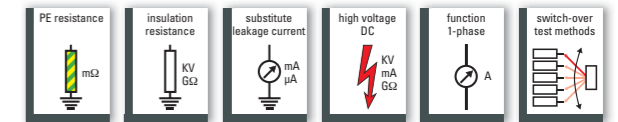


Handheld

Compact safety tester



- RS232
- PC
- I/O

Possible combinations of test methods in a device

	PE resistance mΩ	insulation resistance kV GΩ	high voltage DC kV mA GΩ	substitute leakage current mA μA	function 1-phase A	switch-over test methods
Handheld PE/IR	•	•				•
Handheld PE/IR/SLC/FCT	•	•		•	•	•
Handheld PE/IR 2500V DC	•		•	•		



Testing PE and insulation resistance



Testing the PE at X-ray equipment



Testing conductors at wind-power stations

Highlights

- small and portable
- integrated test socket
- easy and convenient operation
- start switch at both sides for left- and right-handed operation
- ground-continuity test with 10A AC in 4-wire configuration: evaluation of resistance or voltage drop
- insulation-resistance test: evaluation of resistance or current
- high-voltage test DC with up to 2500V DC
- serial interface for printer or result transmission
- integrated result storage for a transmission via RS232 interface at a later point
- storing and printing test results with PrintCom



Devices of the Handheld series are universal testers for electrical safety tests, for PE tests and they check for insulation faults. They are available as single and combination testers.

With regard to the integration of functions, high power density and miniaturization, Handheld testers are outstanding. This generation of testing devices by Schleich represents compact and precise testers.

They are mainly used on site. Therefore, the test electronics are integrated into a sturdy aluminum case. Optional accessories such as transport cases and shoulder straps even improve the handling of the device.

Except for the high-voltage test AC, the tester can also be used for EN60204 tests. Without the high-voltage test, it is possible to perform all necessary tests according to the Machine Guideline. Due to the internal data storage, test results do not have to be written down.

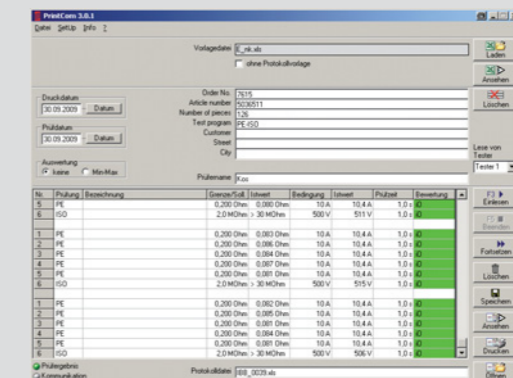


Handheld testers also allow an increase of the test voltage at the insulation-resistance test to max. 2500V DC. This offers an interesting alternative to the high-voltage test with AC. 1800V ACeff correspond to approx. 2500V DC.

The test object is connected via test socket. Using the test probe, the tests can be performed against this socket. Alternatively, the tester can be connected to the enclosure (PE feeding point) of the test object by connection cable. In this case, the tests are performed against this PE point.

A special application is testing the lightning conductors at wind-power stations. To perform tests with currents below 10A, the PE-minimum-current monitoring can be turned off. With a reduced test current and a test lead in 4-wire configuration with a length of 50m, it is possible to test resistances up to 15Ω.

If a PC is available, you can use our Windows® software PrintCom to store the test results directly on the PC.



Read-in measured values via PrintCom



EN60204 test at a service cabinet

Refer to:

Windows® software PrintCom	58
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Calibration and black boxes	82
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