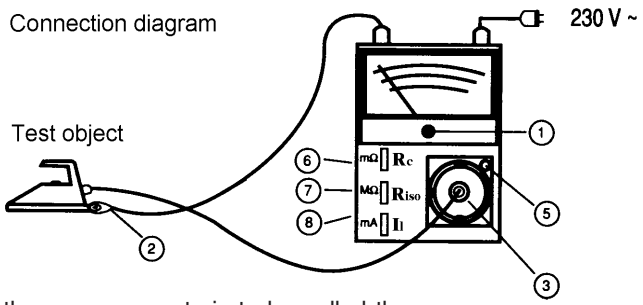

After termination of the measurements is to be pulled the power supply plug out of the 230 V AC plug socket.

If the mains voltage resting against the device tester deviates from 230 V AC, the read of measured values are to be corrected:

a) For the measuring range mΩ and mA, measured value = $\frac{230\ V}{\text{mains voltage}}$ x read value

b) For the measuring range MΩ, measured value = $\frac{\text{mains voltage}}{230\ V}$ x read value

The checks are to be executed in the indicated order; if an error is determined, are to be executed after elimination of errors all programs under test again.

Technical data

Power supply:	230 V (207 ... 253 V) 50 Hz
Power consumption:	16 mA
Fuse:	F 0,125 C DIN 41571
Work temperatur:	10 - 30 °C
Function temperatur:	10 - 50 °C
Measuring accuracy class:	2,5
Dimensions:	(W x H x D) 98 x 144 x 56 mm
Weight:	700 g
Available accessories:	Imitation leather bag

Cleaning of the device is to be made with dry cloth in status without voltage.

Note:

Do not use the tester when you have reason to assume that it is not functioning perfectly or has been damaged.
The convenience outlet should be as close as ones possible at the tester arranged and easily accessible.
Make shure that the test piece under test is completely without tension attached.
Link test piece under test is admissible only also firmly installed (certified) mains cable.

In switching position insulation measuring (key MΩ pressed) can be appropriate for 500 V DC between the contact secured test managment and the incorrect test piece under test, if the alligator clip is loosened. The security of the equipment tester is ensured only if it is used according to the operating instruction.

Subject to change! 11/2012

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Neuberger Meßtechnik

Electrical Appliance Tester TG 0701

USER'S MANUAL

Protective measure test according to standard DIN VDE 0701-0702:2008-06 for repaired or modified electrical equipment for domestic application and similar.
This device is built and checked according DIN EN 61010 part 1 / VDE 0411 part 1, safety regulations for electrical mesuring -, control -, and laboratory - instruments and the factory in safety - relevant perfect status left.
In order to guarantee this status too received and a save operation, the user must consider the notes and warning notes, which are contained in this operating instruction. Pay attention please with use to sufficient ventilation possibilities and avoid you the proximity of strong electromagnetic interference sources! The devices of the series of TG 0701 correspond to the safety class system II.

Note: With the line - up the sequence of the indicated points for safety reasons is to be observed absolutely.

Start up

① Check mechanical zero point of indicator and if necessary adjust with correction screw.

② The alligator clip of the test line must be attached to a metallic part of the test piece (key mΩ pressed).

③ The test piece must be switched on and the mains plug must be plugged into the socket of the tester.

④ Power supply plug of the equipment tester is to plug into 230 V AC socket.

⑤ Indicator light must be illuminated.

⑥ Measurment of **protective conductor resistance** (key mΩ pressed).
Read resistance value on scale mΩ.
Limit value: < 300 mΩ.
Measuring range: 0 - 1000 mΩ, Measuring current: 0,2 A DC.

⑦ **Insulation resistance** test (key MΩ pressed)
Read resistance value on scale MΩ.
Limit value: Protection class I ≥ 1 MΩ
Protection class II ≥ 2 MΩ
Measuring range: 0,2 - 10 MΩ, Test voltage: 500 V DC,
Rated- /short circuit current: 1 mA / 4,9 mA.

⑧ **Leakage current** equivalent measurment (key mA pressed)
Read leakage current value on scale mA

Limit value:	≤ 3,5 kW	≤ 3,5 mA
Equipment with heating element:	> 3,5 kW	< 1 mA / kW

Measuring range: 0 - 18 mA, Test voltage: < 40 V AC.

After the measurements pull of the power plug from the socket 230 V AC.