



brennenstuhl®



**Elektronisches
Prüfgerät**
Electronic tester
Multi-Test MT 6 S/2

 **Directions for use** 7



Operating Instructions

Important Notice:

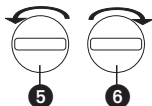
- 1) This testing device is only suitable for use in dry rooms and may not be used for voltages above the specified values.
- 2) Operate only at ambient temperatures -10°C and $+50^{\circ}\text{C}$ and in the frequency range between 50 and 500 Hz.
- 3) The sensitivity of the display can be impeded by unfavourable lighting conditions, e.g. strong sunlight or by unfavourable locations, e.g. wooden stepladders or insulating carpet padding and in alternating current nets that are not properly grounded.
- 4) The testing device must be tested for proper function prior to first use (self test).
- 5) The testing device may not be used in damp conditions (e.g. dew or rain).
- 6) The testing probe is only designed to perform voltage tests. Do not attempt to perform other work on voltage-carrying appliances or devices with it.
- 7) Defective testers, whose function and/or safety is obviously impaired, may not be used.
- 8) The tester can acquire a static charge from friction and then produce false readings.
- 9) Never attempt to alter any internal components of this tester.
- 10) These instructions contain important safety information. Store these instructions with the device.
- 11) To clean the tester, use a damp cloth but never use scouring agents or solvents.
- 12) If the tester is used for purposes other than those intended by the manufacturer, the safety functions of the device can be impeded.
- 13) In cases of doubt, please contact a qualified technician.

Inserting the Batteries

Remove the screw by turning counter-clockwise. Insert the three button cells, negative pole first into the battery compartment and then re-tighten the screw. Battery type: 3 button cells 1.5V (392A, AG3, LR41, V3GA, G3-A or similar).



- 1 Testing probe
- 2 Button
- 3 High intensity LED
- 4 Screw
- 5 Open
- 6 Close



⚠ ATTENTION:

With the exception of the batteries, never attempt to remove any components from the device. Do not use the device if the screw has been removed. Tighten the screw completely (clockwise).

Prior to Use

Self Test



Before each use of the device, a self test must be performed in order to assure correct function. Just touch the probe with one hand and the screw on the device with the other. The blinking of the LED indicates that the device is functioning correctly.

If this does not happen, stop using the device.

When the LED starts to weaken, the batteries need to be replaced!

Voltage Test (Alternating Current)



(1) *direct voltage test*
(70-250 VAC)

⚠ ATTENTION!

As soon as the probe is in direct contact with the external conductor (phase) of electrical outlets, the LED

blinking.

Note: For this test method we recommend that you not touch the screw on the device.



(2) touch-free voltage test (100-250 VAC)

Hold the tester as shown in the picture and run it slowly along the wire to be tested. If there is alternating current in the wire, the LED will start blinking. If there is a wire break, the LED display will go out. This function can also be used to find alternating current, e.g. in electrical outlets and plugs.

Notes:

- 1) To increase the sensitivity of the tester for performing the touch-free voltage test, hold the tester at the point of the probe.
- 2) The sensitivity can be reduced in high relative humidity.
- 3) Perform the test at different points along the wire, especially if the wire is twisted.
- 4) The test is not reliable on shielded wires.

Polarity test (direct current 3-36 VDC)

⚠ WARNING! Make sure that there is no alternating current or high voltage current!



When testing, a finger of one hand must touch the screw on the device. At the same time, the tester's probe must contact one pole of the battery and your free hand must touch the other.

The LED will blink at the positive (+) pole.

The LED will not light up on the negative (-) pole.

Conductivity test

⚠ WARNING! Make sure that there is no alternating current or high voltage current!



When testing, a finger of one hand must touch the screw on the device. At the same time, touch the testing site with the probe and touch the object opposite the testing site with your free hand. If there is conductivity, the LED will blink. This function can be used to test, e.g. fuses, light bulbs, etc.

Flashlight Function



Press the button to use the tester as a flashlight.

Sample Applications

Test the function of lamps and fuses (continuity test)
Locating cable breaks (touch-free voltage test)
Testing of alternating current (voltage test)

Safety symbols

☐ = Protection Class II (protective insulation)

⚠ = Read the operating instructions

ATTENTION! = Pay attention to the max. voltage

CAT.II = Overvoltage Category II

The integrated LED has been tested according to IEC/EN 62471.

Technical Data:

Voltage test 70-250 VAC

Touch-free voltage test:

a) ≥ 100 VAC (with single insulation)

b) 200-250 VAC

Polarity test 3-36 VDC

Continuity test 0-5 MOhm

Disposal**Please dispose of your used electronic devices in an environmentally friendly manner!**

Electronic devices do not belong in your household waste. compliant with European Guideline 2002/96/EG concerning Electrical and Electronic Devices, used electronic devices must be collected separately and taken to a facility for environmentally sound recycling. You can find out about your options for disposing of your used electronic devices from your community or city government.

**Improper disposal of batteries can harm the environment!**

Batteries do not belong in your household waste. They can contain poisonous heavy metals and are subject to treatment as hazardous waste. For this, please take your used batteries to your local collection site.


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