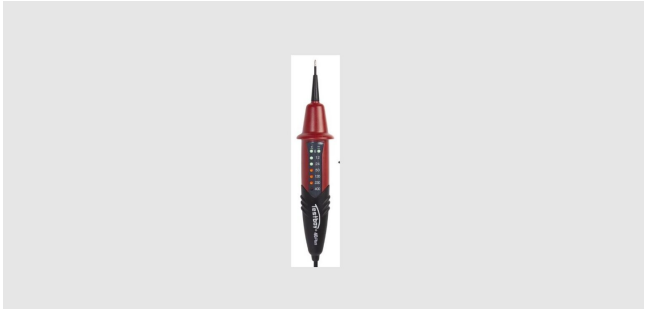

Testboy 40 Plus Two Pole Voltage Tester Instruction Manual

Contents

Testboy 40 Plus Two Pole Voltage Tester

Safety notes

WARNING
An additional source of danger is posed my mechanical parts which can cause severe personal injury. Objects can also be damaged (e.g., the instrument itself can be damaged).

WARNING
An electric shock can result in death or severe injury. It can also lead to property dam-age and damage to this instrument.

WARNING
Unauthorized changes or modifications of the instrument are forbidden – such chang-es put the approval (CE) and safety of the instrument at risk. In order to operate the instrument safely, you must always observe the safety instructions, warnings and the information in the “Proper and Intended Use” Chapter.

WARNING
Please observe the following information before using the instrument:

- Do not operate the instrument in the proximity of electrical welders, induction heaters and other electromagnetic fields.
- After an abrupt temperature fluctuation, the instrument should be allowed to ad- just to the new temperature for about 30 minutes before using it. This helps to stabilize the IR sensor.
- Do not expose the instrument to high temperatures for a long period of time.
- Avoid dusty and humid surroundings.
- Measurement instruments and their accessories are not toys. Children should never be allowed access to them!

- In industrial institutions, you must follow the accident prevention regulations for electrical facilities and equipment, as established by your employer’s liability in-surance organization.

Notes
Please observe the following five safety rules:

1. Disconnect.
2. Ensure that the instrument cannot be turned back on again.
3. Ensure isolation from the main supply voltage (check that there is no voltage on both poles).
4. Earth and short-circuit.
5. Cover neighboring parts that are under live electrical load.

Proper and intended use
This instrument is intended for use in applications described in the operation manual only. Any other usage is considered improper and non-approved us-age and can result in accidents or the destruction of the instrument. Any misuse will result in the expiry of all guarantee and warranty claims on the part of the operator against the manufacturer.

Remove the batteries during long periods of inactivity in order to avoid damaging the instrument.
We assume no liability for damages to property or personal injury caused by improper handling or failure to observe safety instructions. Any warranty claim expires in such cases. An exclamation mark in a triangle indicates safety notices in the operating instructions. Read the instructions completely before beginning the initial com-missioning. This instrument is CE approved and thus fulfils the required guidelines.

Disclaimer and exclusion of liability

The warranty claim expires in cases of damages caused by failure to observe the construction! We assume no liability for any resulting damage!

Testboy is not responsible for damage resulting from:

- failure to observe the instructions,
- changes in the product that have not been approved by Testboy,
- the use of replacement parts that have not been approved or manufactured by Testboy, | the use of alcohol, drugs or medication.

Correctness of the operating instructions
These operating instructions have been created with due care and attention. No claim is made nor guarantee given that the data, illustrations and drawings are complete or correct. All rights are reserved in regards to changes, print failures and errors.

Disposal

For Testboy customers: Purchasing our product gives you the opportunity to return the instrument to collection points for waste electrical equipment at the end of its lifespan.

The WEEE directive regulates the return and recycling of electrical appliances. Manufacturers of electrical

appliances are obliged to take back and recycle all electrical appliances free of charge. Electrical devices may then no longer be dis-posed of through conventional waste disposal channels. Electrical appliances must be recycled and disposed of separately. All equipment subject to this di-rective is marked with this logo.

Certificate of quality
All aspects of the activities carried out by Testboy GmbH relating to quality during the manufacturing process are monitored permanently within the framework of a Quality Management System. Furthermore, Testboy GmbH confirms that the testing equipment and instruments used during the calibration process are subject to a permanent inspection process.
Declaration of Conformity
The product conforms to the present directives. For more detailed information, go to **www.testboy.de**

Operation

Thank you very much for choosing the Testboy 40 Plus, a voltage testing device with LED display. It can be used to perform DC and AC voltage tests from 6 to 400 V and polarity tests. The IP 65 protection class of the Testboy 40 Plus means that it can be used under harsh conditions. You have selected a device that is designed to offer you a high degree of safety. In order to ensure that the unit is operated correctly and safely, read these operating instructions thoroughly BEFORE operating the device.

Check the function of the voltage testing device immediately prior to its use (VDE regulation 0105, Part 1), by connecting it to a known voltage source (e.g. a 230 V power socket). If the indicator shows that one or more functions are not working correctly, do not use the device any further, but have it examined by a qualified service technician. You can contact the service of our work department.
Always hold the device by its handles. Avoid touching the probe tips. The voltage indications on the Testboy have only rated values. The trouble-free operation can only be guaranteed at temperatures of between –15 °C and +45 °C.
Keep the device clean and dry at all times. The casing may be cleaned by wiping with a damp cloth.

Testing DC voltage

When placing the test probes on an DC voltage within the rated voltage range, one of the lower (6 V + -) LEDs and the LED arranged underneath them illuminate according to the voltage ap-plied.
The upper LED indicators show the voltage, whereby the reference pole is connected to the large hand element.

Testing AC voltages
When placing the test probes on an AC voltage within the rated voltage range, both of the upper (6 V +~-) LEDs and the LED located underneath them illuminate according to the voltage applied. Simultaneous lighting up of the upper LEDs indicates the presence of an AC voltage.

Phase search:
Hold a test probe against the protective conductor and check the other conductor with the other test probe. The Testboy 40 Plus indicates the AC voltage for the phase in question. FI/RCD is not triggered.

Technical data

- Voltage range 6 – 400 V AC/DC
- Overvoltage category CAT III 400 V
- Testing standard EN 61010-1:2010
- Frequency range 0…500 Hz
- Duty max. 30 s on \ 240 s off
- Degree of protection IP 65

- Operating temperature –15 °C to 45 °C

Documents / Resources

	Testboy 40 Plus Two Pole Voltage Tester [pdf] Instruction Manual 40 Plus, Two Pole Voltage Tester, 40 Plus Two Pole Voltage Tester

References

- Testboy Messgeräte & Prüfgeräte | Testboy GmbH