Quick Start Guide

of

TG Basic 2 / TG Basic 2+

Safety Appliance Tester

DIN VDE 0701/0702

ÖVE 8701 - 1 - 2

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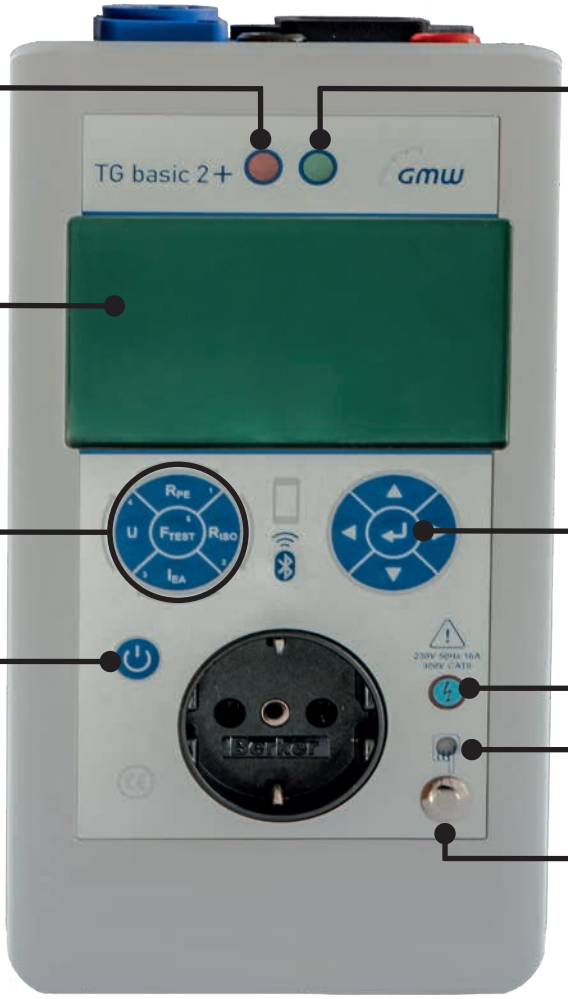
Operation overview TG basic 2 / TG basic 2+

Three-pin IEC connector for testing of extensions and RCDs just for TG basic 2+

Mains power connection

Measuring socket GND for the probe-probe measurement

Probe / test adapter



Display „fail“

Display „pass“

LC Display

Single measurement

Enter-key for entering and confirming the menu

On / Off button

Mains voltage display on the test socket

Finger contact LED

Finger contact

Measuring socket for leakage clamp just for TG basic 2+

USB-C just for TG basic 2+

Service information

Location

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Product description

Calibration / Service order

- No measurements may be taken on unsecured measuring circuits!
- The device may only be operated on a 115 V/230 V AC mains with a max. 16 A secured!
- Do not use if there are abnormalities on the measuring device!
- Defects on the test object are always to be expected!
- Caution risk of electric shock!

ATTENTION!
These quick start guide do not replace the detailed operating manual!

Scope of delivery:

- 1 Safety appliance tester TG basic 2 or TG basic 2+
- 1 Measurement line red 2 m
- 1 Measurement line black 2 m
- 1 Power cord, plug Neutrik PowerCon blue 1,5 m
- Test lead Schuko plug socket (TG basic 2+)
- Test lead Schuko 4 mm safety plug [A1] (TG basic 2)
- Test lead Schuko plug socket 4 mm safety plug [A2] (TG basic 2)
- 1 soft bag
- Quick start guide

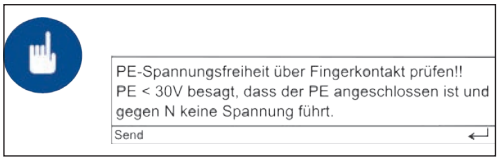
Accessories (optional):

- More details at www.g-mw.de

First steps to carrying out an electrical test

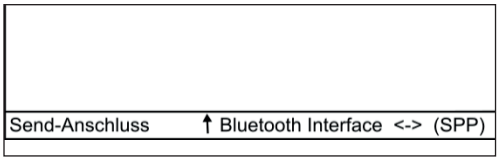
PE-potential testing

Check the PE-potential via finger contact: **PE < 30 V**



Select the Bluetooth interface

SPP of Android Test-Master App
HID for IOS/Android/Windows
Report-Master



Test-Master App

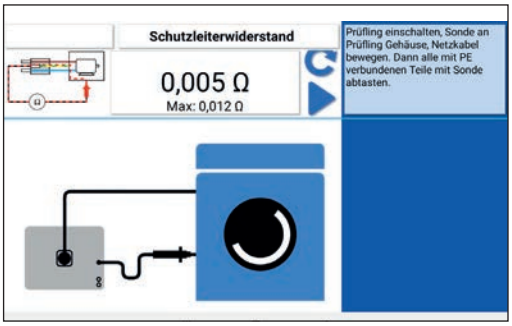
You operate your device comfortably and easily in remote operation with automatic processes via the intuitively operated app. The documentation takes place after the electrical testing as a signable PDF file. You can save, print and send your data to your customers / colleagues.
The synchronization between devices can be realized with the help of the omni-remote software.

Quick start guide

Get started testing.

Download the Test-Master app to your Android smartphone or tablet.

Inventory, test and document has never been easier before.



Installation

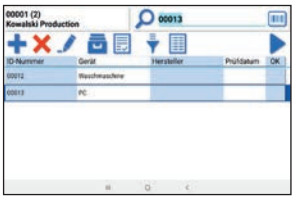
- Download im Google Play Store
- Compatible with Android (from Android 5.0)

First settings

- Confirm admission
- Setup
- Enter the company address
- Compensation of the RPE measurement

Customer and device data

- Start menu> Test > Customer
- Entering the user name and customer data
- Entry of device data:
  - Scanning the barcode of the ID number
  - Photographing the test object
  - Entry of the test specification and the test profile
  - Entry of specific master data

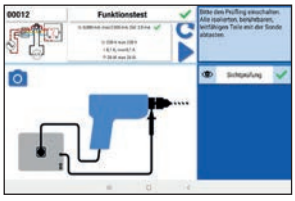


Preparation of the testing

- Selection of test parameters and test options
- Making the Bluetooth connection with the test device

Testing

- Execution of the guided test
- Observe and follow instructions and instructions
- Confirmation after each measurement
- Add a comment at the end



Protocol

- Creation of the test report as a signable PDF file
- Documented photos are included in the log file
- Sending / saving the file via e.g. E-Mail, Google Drive, One Drive

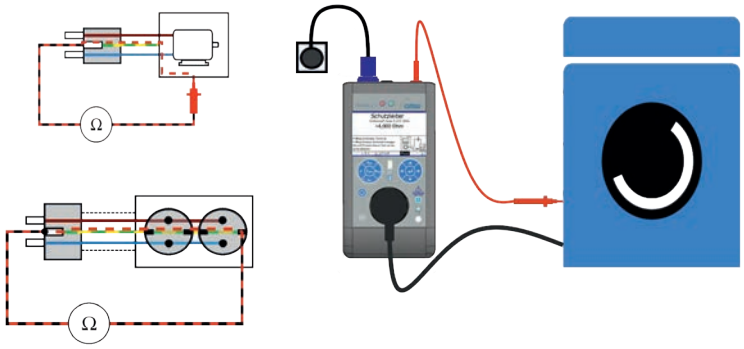
Operation without app - possible types of measurement

Measurement in battery operation possible

Select and confirm the type of measurement

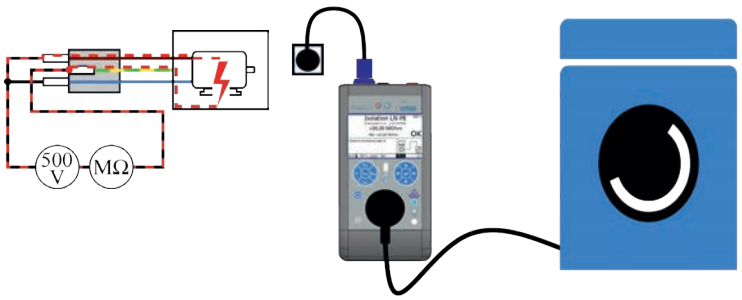
R_{PE} Low resistance measurement

- Test current: 200 mA
- RPE - socket
  RPE - extension
- Limit value adjustable by line length:
  Limit value:
  max. 0,3 Ohm + 0,1 Ohm every 7,5 m
- Use the IEC cable from the scope of delivery for „extension“
- Test lead compensation
- Fixed connection via adjacent socket



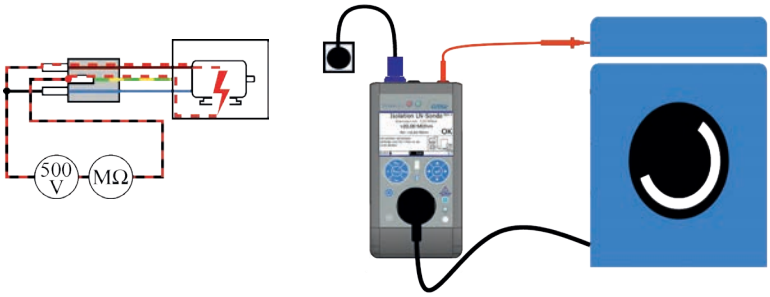
R_{ISO} Isolation measurement

- Test voltage: 500 V DC
- RISO - LN-PE
- Limit value: min. 1 MOhm



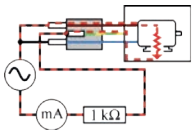
R_{ISO} Isolationsmessung

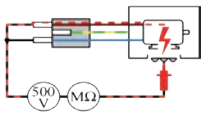
- RISO - LN-Sonde
- Grenzwert: min. 2 MOhm
- Prüfspannung: 500 VDC



Substitute leakage current

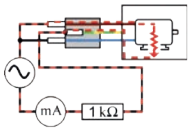
- IEA - LN-PE
- Test voltage: 90 V
- Limit value: max. 3,5 mA
- Only for devices without an electronic switching device

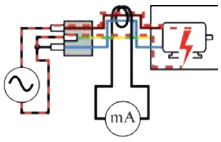




Function test

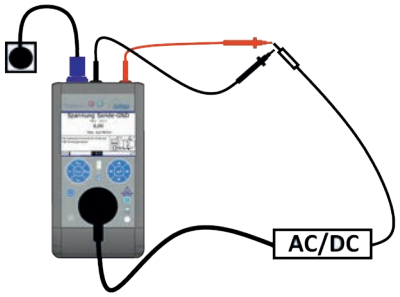
- ID, IB, U, I and P
- Differential current
- Contact current
- Voltage
- Current
- Power





Voltage measurement

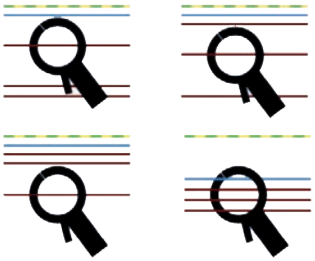
Attention, the equipment is supplied with mains voltage. The voltage is measured between the probe (red) and the GND socket (black).

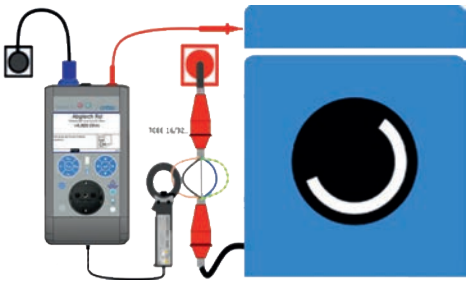


Function test with current clamp,
fixed connection or three-phase current device via adapter

Measurement can be switched on the measuring device or in the app:

IL1, IL2, IL3, ID (L1+L2+L3+N)





Tripping time measurement

Tripping time measurement of a 30 mA RCDs

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More information to the wide product range of GMW you will find at:
http://www.g-mw.de

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