

NEW!



TG basic 1

Appliance Tester TG basic 1

(TG basic 2 and TG basic 3 being prepared)

Testing device for checking protective measures for mobile electrical equipment in accordance with DIN EN 62638/ DIN VDE 0701-0702.

Product highlights

- ▶ Easy-to-handle, very light tester in a sturdy housing for mobile use
- ▶ Battery operation
- ▶ Can be supplied with country-specific test socket for all European countries – e.g. D, CH, F, GB
- ▶ Operation via rotary switch and start button
- ▶ Automatic test procedure
- ▶ Testing of extension cables
- ▶ Cable test (with IEC connector)
- ▶ RCD test (with TG basic 2 and TG basic 3)
- ▶ Suitable for technically trained persons, good/bad plain text display

Measuring functions

- Protective conductor resistance
- Insulation resistance
- Substitute leakage current
- Protective conductor current via a connectable external current probe (with TG basic 2 and TG basic 3)
- Touch current via connectable external 2 k Ω probe (with TG basic 2 and TG basic 3)
- Load current up to 20 A via connectable external current probe (with TG basic 3)

Scope of delivery:

- 1x appliance tester
- 1x safety measurement cable with crocodile clip
- 1x IEC cable
- 1x operating manual
- 1x battery set (6x 1.5 V AA alkaline)
- 1x carrying bag

Tester information

TG basic 1

- Intuitive user guidance
- Clear display "Test OK/Test not OK" on completing the test
- Automatic compensation for the measuring line (2-line method)
- Hand-held device with protection class II
- Auto power off function
- Mains voltage measurement (L-N, L-PE, N-PE)
- Cable test (L-N) with IEC connector

TG basic 2, TG basic 1 additionally provides

- Touch current, direct measurement procedure
- Insulation resistance with 250 V DC test voltage
- RCD test with good/bad display

TG basic 3, TG basic 2 additionally provides

- Manual test procedure
- Protective conductor current via connectable external current probe
- RCD test with display of measurement values

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GmW GOSSEN
Müller & Weigert



TG basic 1

Order information:

- TG basic 1**
Item no. 63000 00000
- TG basic 2**
Item no. 63000 00010
- TG basic 3**
Item no. 63000 00020

Recommended accessories

- Passive three-phase adapter TGP
Item no. 79200 18690
- Adapter for extension cables
Item no. 79200 18680
- Brush probe
Item no. 79100 86049
- Charger for NiMH batteries AA 1.2 V
Item no. 79100 86151

Technical data

| | |
|----------------|---|
| Display | Graphic LCD display, 160 x 104 pixels, without backlighting |
|----------------|---|

Display ranges

| | |
|---------------------------------|--|
| Protective conductor resistance | 0.05...5.0 Ω |
| Test current | > ± 200 mA DC with automatic reversal of polarity |
| Open-circuit voltage | 4.5 V...8.5 V |
| Insulation resistance | 0.100...20.00 MΩ |
| Test voltage/current | ≥ 500 V DC / ≥ 1 mA PC I and PC II 250 V DC / ≥ 1 mA PC III |
| Substitute leakage current | 0.100...20.000 mA |
| Test voltage | 25-40 V AC |

With TG basic 2 and TG basic 3

| | |
|---------------|---|
| Touch current | via connectable external 2 kΩ probe 0.100...2.000 mA |
|---------------|---|

With TG basic 3

| | |
|--|---|
| Protective conductor current | via connectable external current probe 0.1...20 mA differential current method |
| Current consumption of the test object | via connectable external current probe 1 mA...20 A |
| Mains voltage measurement | 195...250 V AC (L-N, L-PE, N-PE) |

General

| | |
|--------------------------------|--|
| Limit value indication | visually and acoustically |
| Overvoltage category | CAT II 300 V |
| Degree of pollution | 2 |
| Protection degree | IP 40 |
| Power supply | 6x AA 1.5 V alkaline batteries or 6x AA 1.2 V NiMH rechargeable batteries |
| Number of measurements | approx. 1500 per battery set, Auto power off |
| Dimensions (L x W x H) | 270 x 110 x 50 mm |
| Weight | approx. 800 g |
| Electrical safety according to | DIN VDE 0404 Parts 1, 2 DIN VDE 0411-1/EN 61010-1 DIN VDE 0413/EN 61557 Parts 2, 4 |



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