

## D DIGITAL- VIELFACHMESSGERÄT BEDIENUNGSANLEITUNG

### GB DIGITAL MULTITESTER Operating instructions

### E MEDIDOR DIGITAL MULTIFUNCIONAL Instrucciones de uso

### TR DİJİTAL ÖLÇÜM CİHAZI Kullanım kılavuzu

### I MULTIMETRO DIGITALE Istruzioni per l'uso

### H DIGITALIS MULTIMETER Kezelési útmutató

### RUS ДИГИТАЛЬНЫЙ КОМБ. ЭЛЕКТРОИЗМЕР. ПРИБОР Руководство по эксплуатации

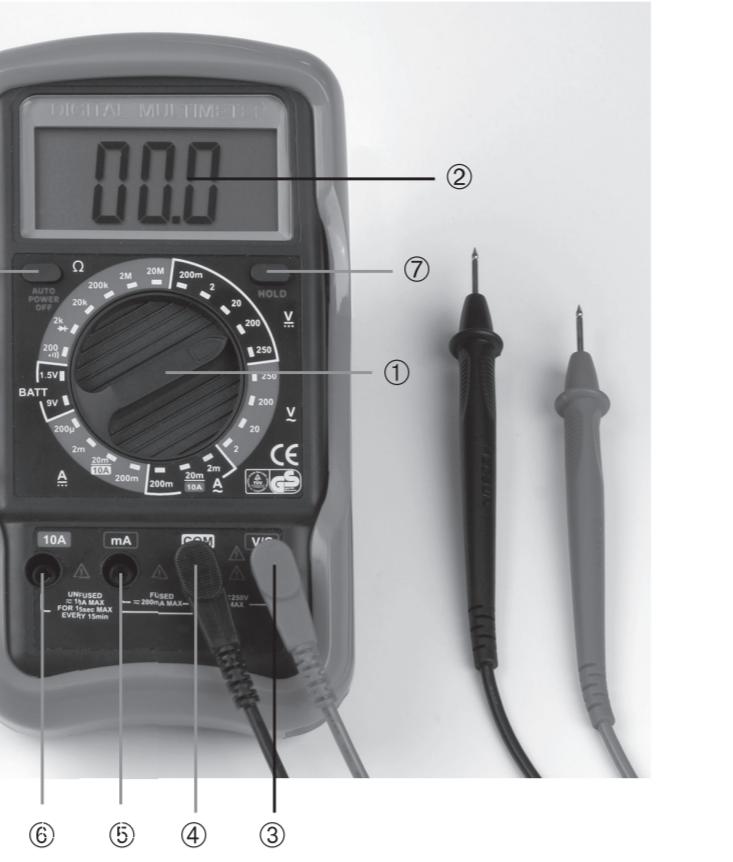
### SLO DIGITALNI UNIVERZALNI MERILNI INŠTRUMENT Navodilo za uporabo

### HR DIGITALNI UNIVERZALNI MJERNI INSTRUMENT Naputak za posluživanje

### PL CYFROWY MIERNIK UNIVERSALNY Instrukcja obsługi

### CZ DIGITÁLNÍ VÍCEÚČEROVÝ MĚŘICÍ PŘÍSTROJ Návod k obsluze

### LT DIGITALUS-DAUGKARTINIS-MATAVIMO PRIETAISAS Naudojimo instrukcija



### GB TECHNICAL DATA

3-/1- place LCD digital display with automatic polarity display  
Operating temperature: 0° ~ +40°C  
Storage temperature: -15° ~ +50°C  
Battery: 6LR61 9 V-Block D  
Miniat. fuse: F 0.2 A / 250V  
Item no. 05222

### DESCRIPTION OF SYMBOLS

Symbol	Description
V ----	Direct voltage [DC]
V ~	Alternating voltage [AC]
A ----	Direct current [DC]
A ~	Alternating current [AC]
Ω	Resistance [Ohm]
↔	Acoustic continuity tester
→	Diode test
BATT	Battery test
---	Fuse
---	Earth
■	Shockproof (safety class 2)
△	Caution, risk of danger
▲	Danger of electric shock

### SAFETY PRECAUTIONS

This Digital Multimeter complies with the guideline EN 61010-1 for measuring devices of the overvoltage category CAT II. The proper condition of the device and the necessary safety measures in these operating instructions are the basis for correct measurements. The test tips and the Digital Multimeter form a unit and require that the test tips are always of the type specified in the operating instructions. Never use the test tip if the device or the test cables are damaged or if malfunctions are suspected. Clean the operation of the tester before each use by measuring a known voltage. Always disconnect the test tip carrying test cable before touching ground test cable. Do not touch the ground terminal of the test tips during measurement. Voltage measurements to ground may only be conducted up to a maximum of 500 mA. Particular caution should be exercised during voltage measurements of > 20 V AC and > 30 V alternating current (ACV). Under the influence of Radiated Radio-Frequency Electromagnetic Field phenomena, the captioned model have a variable result of 0.8-1.2 times the rated result.

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### CARE AND MAINTENANCE

**CARE**  
Before opening the device, the connection of the test tips must be disconnected from the tester and from the wiring or circuits to be tested. If a defective miniature fuse may only be replaced with one of the same type.  
After the housing is opened, the tester may not be used until the housing cover and completely remove the housing cover. Replace the drained battery with a new one of the same type (6LR61 9 V-Block D). Pay attention to correct polarity!  
**Measuring alternating current**  
For measurements with 1 mA and 10 A, proceed as when measuring direct current, however, set range switch to "AC".  
Always switch off the device after testing.  
Only use a slightly moist cloth to clean the surface. If necessary a very cleaning agent. Do not use any scours or solvent cleaning agents.

### DESCRIPTION OF OPERATING SECTION

① Rotary switch  
② LCD display  
③ AC/DC socket  
④ COM socket  
⑤ 10 A socket  
⑥ Hold switch  
⑦ On/Off

### CONDUCTING TESTS

#### Measuring alternating voltage (ACV)

• Connect red test cable to COM ③ socket and black test cable to COM ④ socket.

• Set rotary switch to required alternating voltage position (V~).

• Connect red test cable to circuit; measured values are shown in LCD display.

• Connect test tips to resistance to be tested; measured values are shown in LCD display.

• Diode test

• Connect red test cable to VO ② socket and black test cable to COM ④ socket (polarity of red test tip is positive "+").

• Set rotary switch to "+ → -" position.

• Connect red test cable to 10 A ⑤ socket and black test cable to COM ④ socket.

• Set rotary switch to measure resistance position (Ω).

• Connect red test cable to circuit; measured values are shown in LCD display.

• Measuring direct voltage (DCV)

• Connect red test cable to VO ② socket and black test cable to COM ④ socket.

• Set rotary switch to required direct voltage position (V~).

• Connect red test cable to circuit; measured values are shown in LCD display.

• Measuring direct current (DCA)

• Connect red test cable to VO ② socket and black test cable to COM ④ socket.

• Set rotary switch to required direct current position (V~).

• Connect red test cable to circuit; measured values are shown in LCD display.

• Measuring direct current (DCA)

• Connect red test cable to VO ② socket and black test cable to COM ④ socket.

• Set rotary switch to required direct current position (V~).

• Connect red test cable to circuit; measured values are shown in LCD display.

• Measuring direct current (DCA)

• Connect red test cable to VO ② socket and black test cable to COM ④ socket.

• Set rotary switch to required direct current position (V~).

• Connect red test cable to circuit; measured values are shown in LCD display.

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• Connect red test cable to VO ② socket and black test cable to COM ④ socket.

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• Measuring direct current (DCA)

• Connect red test cable

