

### SAFETY AND MAINTENANCE INSTRUCTIONS

This meter is designed according to IEC61010-1 concerning electronic measuring instruments with an overvoltage category CATIII and protection 2 follow all specific safety instructions. Full compliance with safety instructions is essential. This meter is not to be used as an abrade or solvent on the meter. To clean it use a damp cloth only. Never use flammable liquids or other cleaning agents.

- #### SAFETY SYMBOLS
- Important safety information, refer to the operating manual.
  - Dangerous voltage may be present.
  - Double insulation (Protection class II).
  - Fuse must be replaced with rating specified in the manual.

#### CATIII 600V

This meter may only be used in following situations:  
• 1 phase electrical 230V installations behind the fuse box.  
• All appliances connected on the installations.

#### MAINTENANCE

Before opening the case, always disconnect test leads from all measurement circuits.  
For routine protection against fire, replace fuse only

#### SICHERHEITSSYMBOLE

Wichtige Sicherheitsinformationen in der Bedienungsanleitung nachschlagen.  
Gefährliche Netzspannung möglich.  
Doppelte Isolation (Schutzart II).  
Es darf nur eine Sicherung mit dem in der Anleitung vorgeschriebenen Wert eingesetzt werden.

#### CATIII 600V

Dieses Messgerät darf nur in folgenden Situationen verwendet werden:  
• In 1phasigen elektrischen 230V Anlagen hinter dem Leistungsschalter.  
• Für alle an der Anlage angeschlossenen Geräte.

#### WARTUNG

Vor dem Öffnen des Gehäuses die Messleitungen immer von allen Messkreisläufen trennen.  
Zur Routine-Feuerschutzmaßnahme: nur die Sicherung austauschen.

### VEILIGHEID- EN ONDERHOUDSINSTRUCTIES

Deze meter is ontworpen in overeenkomstig met IEC61010-1 voor elektronische meetinstrumenten met een overspanningscategorie CATIII en beschermingsniveau 2. Volg alle veiligheids- en onderhoudsinstructies nauwkeurig op. Het is niet toegestaan de meter te gebruiken als afbraak of oplosmiddel op de meter. Om de meter schoon te maken, gebruik uitsluitend een vochtige doek en een mild schoonmaakmiddel.

- #### VEILIGHEIDSSYMBOLEN
- Betekrijke veiligheidsinformatie, raadpleeg de gebruiksaanwijzing.
  - Er kan een gevaarlijke spanning aanwezig zijn.
  - Dubbele isolatie (Beveiligingsklasse II).
  - Zeker met vervangen worden door een zekering van de in de gebruiksaanwijzing aangegeven waarde.

#### CATIII 600V

Deze meter mag alleen in de volgende situaties gebruikt worden:  
• Enkelefasige elektrische installaties van 230V achter het hoofdschakelaar.  
• Alle apparaten aangesloten op de installaties.

#### ONDERHOUD

Ontkoppelt altijd de teststroven van alle onder stroom staande onderdelen.  
Voor routine-Feuerschutzmaßnahme: nur die Sicherung austauschen.

#### INSTRUCTIONS DE SECURITE ET D'ENTRETIEN

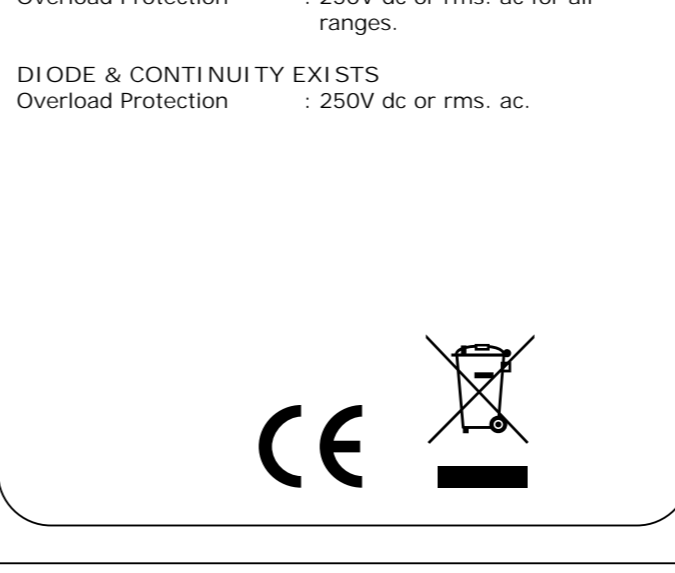
Le multimètre est conçu conformément à la norme IEC61010-1 sur les instruments de mesure électronique avec une surtension de catégorie CATIII et un degré de pollution 2. Suivez toujours les consignes de sécurité et d'entretien pour vous assurer que le multimètre est utilisé correctement. Ne soyez jamais à l'aise avec le multimètre, même s'il est toujours dans son étui de protection. N'utilisez jamais le multimètre si la protection 2 n'est pas maintenue. Le multimètre ne doit pas être utilisé pour mesurer des tensions supérieures à 600V au-dessus de la prise de terre dans les installations de catégorie II.  
Ne vous exposez pas à la foudre/foudre de ligne de haute tension.  
Ne touchez pas les conducteurs de la ligne de haute tension.  
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### SPECIFICATIONS

- Maximum voltage (terminals-earth ground): CAT II 600V
- Fuse protection: 250mA/250V Quick acting, 10A/250V Quick Acting or 50A battery, NEDA 1604 or 6F22
- Power: LCD, 1999 counts
- Display: updates 2-3/ sec.
- Measuring method: Dual-Source Integration
- Overrange indication: Only figure "1" on the display
- Polarity indication: "--displayed negative polarity
- Calibrated: at 18 to 28°C and relative humidity to 80%.
- Operating Environment: humidity to 80%
- Storage Temperature: -10 to 50°C
- Low battery indication: -- appears on the display

- ACCURACY AND OVERLOAD: DC VOLTAGE: ±0.5% of rdg ± 2 digits
- Overload protection: 250V rms. For 200V ac range and 600V dc or rms. ac for other ranges.
- DC CURRENT: ±1% of rdg ± 2 digits, 10A ± 3%
- Overload Protection: 250mA/250V and 10A/250V fuse.
- AC VOLTAGE: ±1.2% of rdg ± 6 digits
- Frequency range: 40Hz to 400KHz
- Response: Average responding, calibrated in rms. of a sine wave.

- RESISTANCE: ±0.8% of rdg ± 3 digits
- Max. Open Circuit Voltage: 3.2V
- Overload protection: 250V dc or rms. ac for all ranges.
- DIODE & CONTINUITY TESTS: Overload Protection: 250V dc or rms. ac.
- Frequency range: ±1.2% of rdg ± 6 digits
- Response: Average responding, calibrated in rms. of a sine wave.



#### ELFO M970 MULTIMETER

#### USER'S MANUAL

#### BEDIENUNGSANLEITUNG

#### PODRECNIK UPYTKOVNINÁRA

#### HANDLEIDING

#### MANUEL DE L'UTILISATEUR

#### MANUAL DEL USUARIO

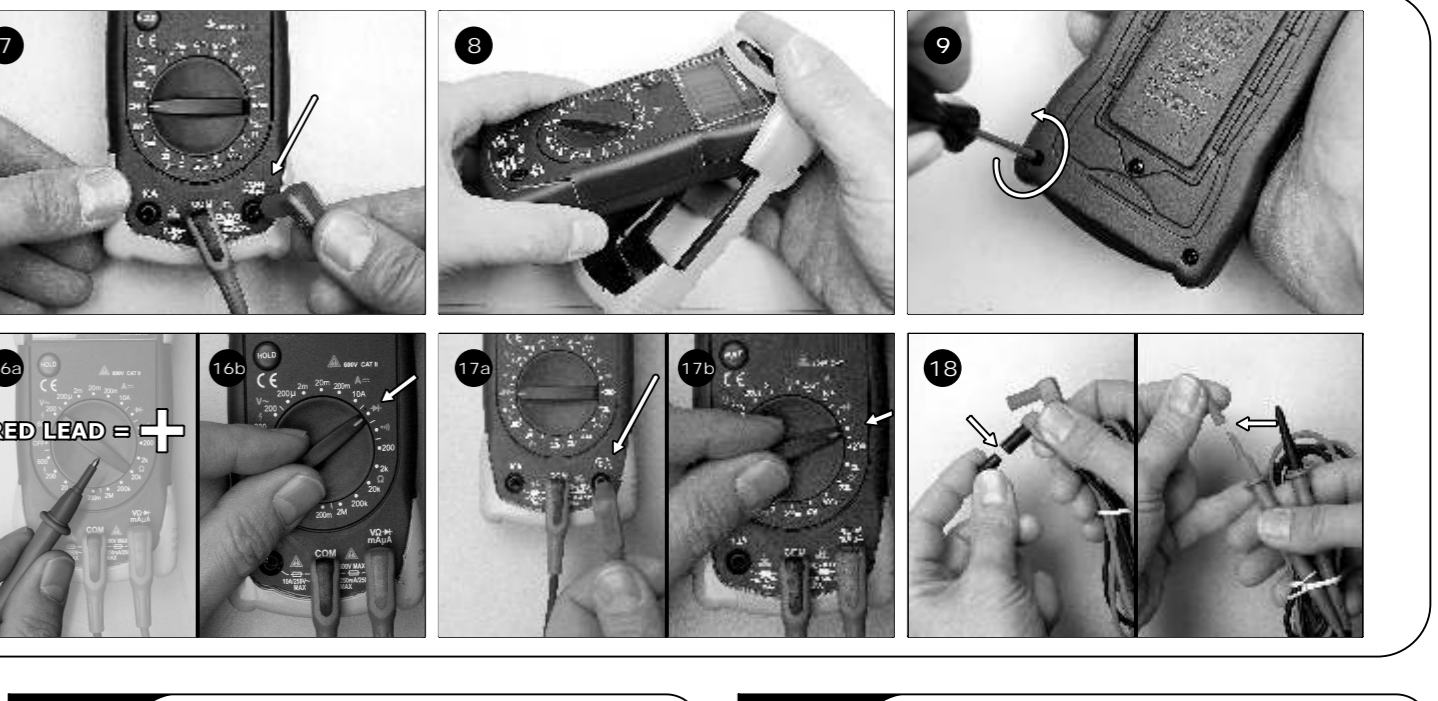
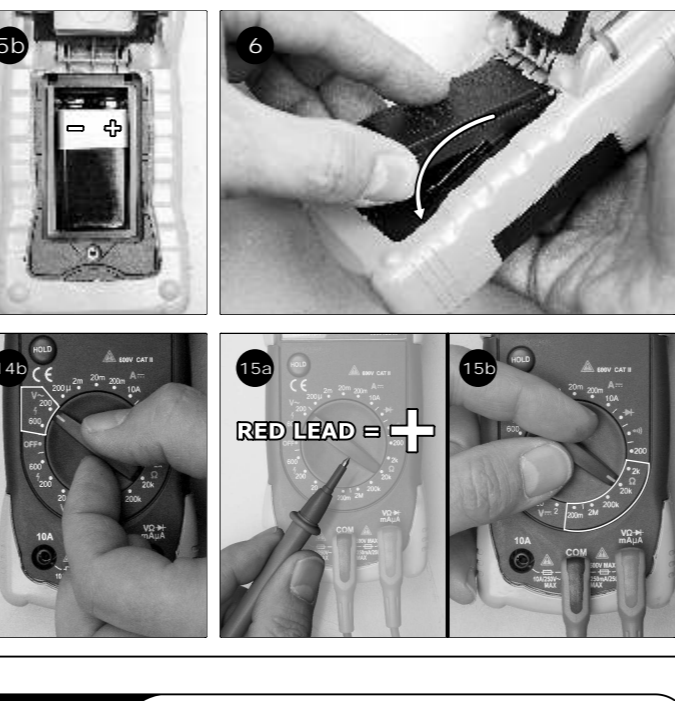
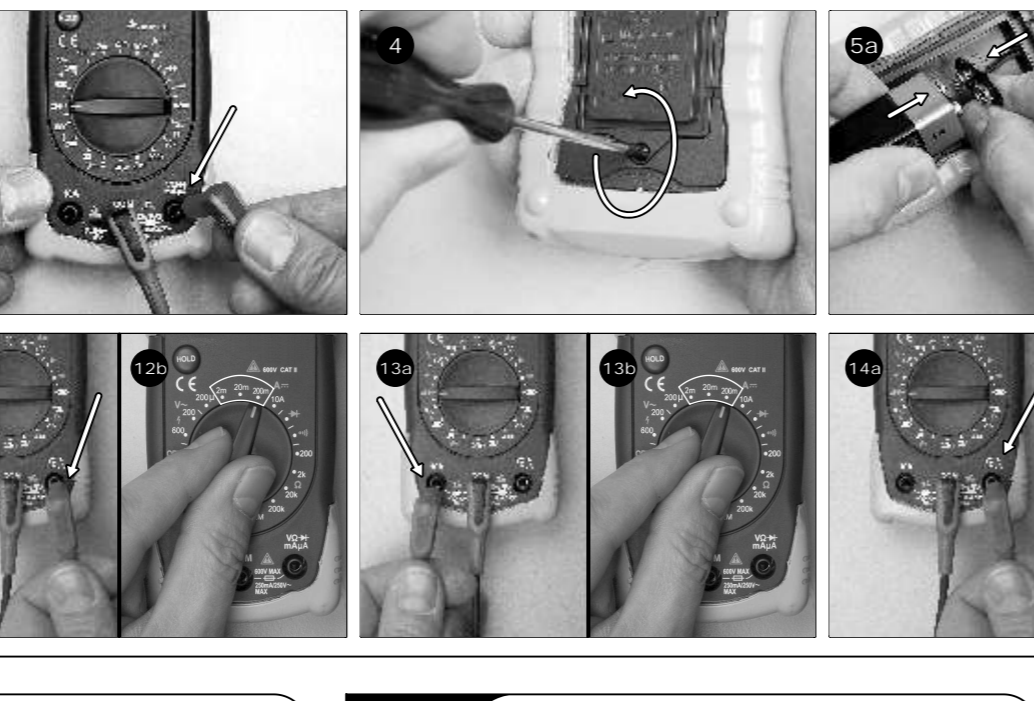
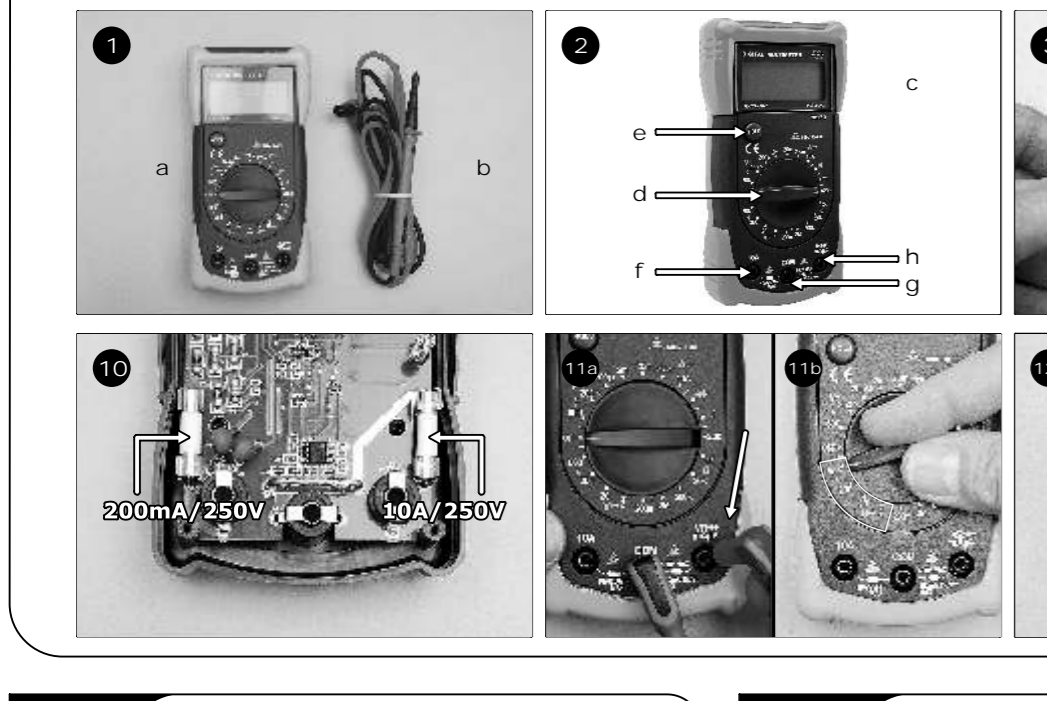
#### HIZLI KLAUZUR

#### UZIVATELJSKI MANUAL

#### HASANBİLATI QUTMUTAYI

#### MANUALUL UTILIZATORULUI

#### UPUTSTVA ZA UPORABU



#### DESCRIPTION

This meter is a battery operated and handheld digital multimeter for measuring DC and AC voltage, DC current, Resistance and Diode. This meter can be used in CATIII situations (safety symbols), generally in all household situations.

- #### SAFETY SYMBOLS
- Important safety information, refer to the operating manual.
  - Dangerous voltage may be present.
  - Double insulation (Protection class II).
  - Fuse must be replaced with rating specified in the manual.
- #### CATIII 600V
- This meter may only be used in following situations:  
• 1 phase electrical 230V installations behind the fuse box.  
• All appliances connected on the installations.

#### DESCRIPTION

Dieses Messgerät darf nur in folgenden Situationen verwendet werden:  
• In 1phasigen elektrischen 230V Anlagen hinter dem Leistungsschalter.  
• Für alle an der Anlage angeschlossenen Geräte.

- #### SICHERHEITSSYMBOLE
- Wichtige Sicherheitsinformationen in der Bedienungsanleitung nachschlagen.  
Gefährliche Netzspannung möglich.  
Doppelte Isolation (Schutzart II).  
Es darf nur eine Sicherung mit dem in der Anleitung vorgeschriebenen Wert eingesetzt werden.

#### DESCRIPTION

Deze meter is een op batterijen werkkend handheld digitaal multimeter voor het meten van gelijk- en wisselspanning, gelijkstroom, weerstand en diodes. Deze meter kan gebruikt in CATIII situaties (veiligheidsymbolen) meestal in alle huishoudelijke gebieden.

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