

FIG. 1

ENGLISH

1. Power On/Off Button
2. Power On / Low Battery Indicator
3. Voltage Level Indicators
4. DC Polarity Indicators (AC when both illuminated)
5. Hazardous Voltage Indicator
6. Test Leads
7. Battery Compartment Door
8. Battery Compartment Screw
9. Pocket Clip
10. Test Lead Holders

NOTE: *There are no user-serviceable parts inside tester.*

ESPAÑOL

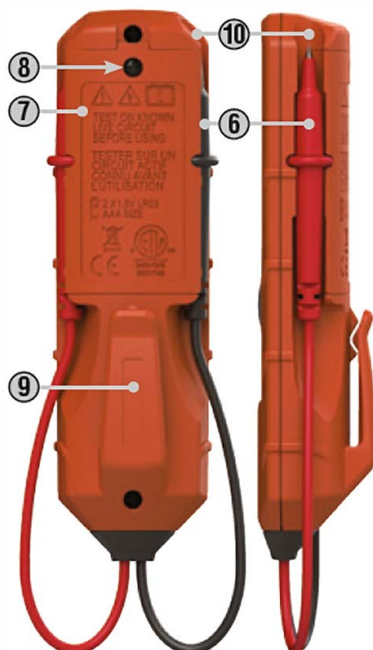
1. Botón de encendido y apagado
2. Indicador de encendido y batería baja
3. Indicadores de nivel de voltaje
4. Indicadores de polaridad de CD (CA cuando ambos están encendidos)
5. Indicador de voltaje peligroso
6. Cables de prueba
7. Tapa del compartimento de las baterías
8. Tornillo del compartimento de las baterías
9. Clip de bolsillo
10. Soportes para cables de prueba

NOTA: *El probador no contiene en su interior piezas que el usuario pueda reparar.*

FRANÇAIS

1. Bouton marche/arrêt
2. Indicateur de mise sous tension/piles faibles
3. Indicateurs de niveau de tension
4. Indicateurs de polarité c.c. (DC) (c.a. [AC] lorsque les deux sont allumés)
5. Indicateur de tension dangereuse
6. Fils de test
7. Couvercle du compartiment à piles
8. Vis du compartiment à piles
9. Agrafe pour poche
10. Porte-fils de test

REMARQUE : *Ce testeur ne contient aucune pièce réparable par l'utilisateur.*


Measurement / Medición / Mesure

AC Voltage / Voltaje CA / Tension c.a. 240V

DC Voltage / Voltaje CD / Tension c.c. 24V

Durability / Durabilidad / Durabilité

Ingress Protection / Protección contra el ingreso de objetos sólidos y líquidos / Protection contre les infiltrations IP41

Drop Protection / Protección ante caídas / Protection contre les chutes 9.8 ft. (3 m)

Safety Rating / Clasificación de seguridad / Cote de sécurité CAT III 250V

Symbols on tester / Símbolos del probador / Symboles sur le testeur

Warning – Risk of electric shock / Advertencia: riesgo de choque eléctrico / Avertissement – Risque d'électrocution

Risk of danger. **Important information:** It is important that users of this tester read, understand, and follow all warnings, cautions, safety information, and instructions in this manual before operating or servicing this tester. Failure to follow instructions could result in death or serious injury.

Riesgo de peligro. **Información importante:** Es importante que el usuario de este probador lea, comprenda y respete todas las advertencias, precauciones, instrucciones e información de seguridad incluidas en este manual, antes de poner en funcionamiento el probador o de realizarle servicios de mantenimiento. No seguir estas instrucciones puede dar lugar a lesiones graves o mortales.

Risque de danger. **Information importante :** Il est important que les utilisateurs de ce testeur lisent, comprennent et suivent tous les avertissements, mises en garde, informations de sécurité et instructions donnés dans le présent guide avant de faire fonctionner ou de réparer ce testeur. Le non-respect pourrait entraîner des blessures graves, voire la mort.

Read instructions / Lea las instrucciones / Lire les instructions

Double insulated / Doble aislamiento / Double isolation

AC Voltage / Voltaje CA / Tension c.a.

DC Voltage / Voltaje CD / Tension c.c.

COM Negative Lead Input / Entrada de conductor negativo / Entrée négative pour fil

+ Positive Lead Input / Entrada de conductor positivo / Entrée positive pour fil


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GENERAL SPECIFICATIONS

- **Operating Altitude:** Up to 6562 ft. (2000 m)
 - **Relative Humidity:** <85% non-condensing
 - **Operating Temperature:** 5° to 113°F (-15° to 45°C)
 - **Storage Temperature:** -4° to 140°F (-20° to 60°C)
 - **Batteries:** 2x AAA 1.5V Alkaline
 - **Dimensions:** 5.24" x 1.52" x 1.11" (133 x 39 x 28 mm)
 - **Weight:** 3.1 oz. (90 g) including batteries
 - **Calibration:** Accurate for one year
 - **Standards:** EN61326-1:2013, EN61326-2:2013, EN61010-1:2010, EN61010-2-030:2010, EN61010-031:2015
-  Conforms to UL STD. 61010-1, 61010-2-030 and 61010-031.
Certified to CSA STD. C22.2 NO. 61010-1, 61010-2-030 and 61010-031.
- **Pollution degree:** 2
 - **Drop Protection:** 9.8 ft. (3 m)
 - **Ingress Protection:** IP41
 - **Safety Rating:** CAT III 250V, Class 2, double insulation
- CAT III: Measurement category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.*
- **Electromagnetic Environment:** This equipment meets requirements for use in basic and controlled electromagnetic environments like residential properties, business premises, and light-industrial locations.

Specifications subject to change.

ELECTRICAL SPECIFICATIONS

- **Voltage Level Indicators:**
 - **AC:** 12V, 24V, 120V, 240V
 - **DC:** 1.5V, 9V, 12V, >17V
- **DC Polarity Indicators:** DC Positive, DC Negative, both illuminated indicates AC
- **Hazardous Voltage Indicator:**
 - Continuously on when voltage >25V AC or >25V DC
 - Blinking at ~2Hz when voltage >240V AC or >60V DC
- **AC Frequency:** 50Hz / 60Hz
- **Input Protection:** 250V AC/DC
- **Maximum Measurable Voltage:** 240V AC (240V AC Indicator) or 24V DC (>17V DC Indicator)
- **Accuracy:** Voltage level indicators typically illuminate fully at approx. 70% to 100% of indicated voltage, except for 12V DC (84% to 100%) and >17V DC (94% to 100% of 17V)
- **Auto Power-OFF :** After 2 minutes of inactivity

Specifications subject to change.

⚠ WARNINGS

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before each use verify tester operation by measuring a known voltage.
- Never use the tester on a circuit with voltages that exceed the category based rating of this tester.
- Do not use the tester during electrical storms or in wet weather.
- Do not use the tester or test leads if they appear to be damaged.
- Keep fingers behind the finger guards and away from the metal probe contacts when making measurements.
- Use caution when working with voltages above 25V AC RMS or 60V DC. Such voltages pose a shock hazard.
- Always adhere to local and national safety codes. Use personal protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.
- Tester is IP41 dust & water resistant. Following any contact with water, thoroughly dry tester prior to subsequent use.

⚠ CAUTION

- **DO NOT** attempt to repair this tester. It contains no serviceable parts.
- **DO NOT** expose tester to extremes in temperature or high humidity.

OPERATING INSTRUCTIONS

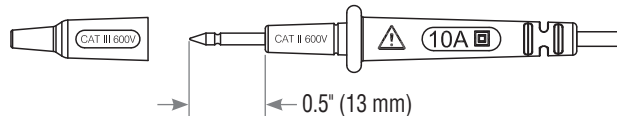
TESTING IN CAT III / CAT IV MEASUREMENT LOCATIONS

Ensure the test lead shield is pressed firmly in place. Failure to use the CATIII / CATIV shield increases arc-flash risk.



TESTING IN CAT II MEASUREMENT LOCATIONS

CAT III / CAT IV shields may be removed for CAT II locations. This will allow testing on recessed conductors such as standard wall outlets. Take care not to lose the shields.



OPERATING INSTRUCTIONS

Press and hold the On/Off button ① for approx. 1 second to turn the tester on or off. When on, the Power/Low Battery indicator ② will be continuously illuminated. The tester will automatically power-OFF following 2 minutes of inactivity to conserve battery life.

Apply test leads ⑥ to the system under test to measure voltage. The Voltage Level Indicators ③ will illuminate indicating the voltage present. When DC voltage is detected, the "+" or "-" polarity indicator ④ will illuminate, revealing the polarity. When AC voltage is detected, both polarity indicators will illuminate.

⚠ DO NOT attempt to measure AC voltages in excess of 240V AC, or DC voltages in excess of 25V DC under any circumstances. The hazardous voltage indicator will illuminate in the presence of voltage exceeding 25V AC or DC, with characteristics as detailed in the table below.

HAZARDOUS VOLTAGE INDICATOR STATUS	AC VOLTAGE	DC VOLTAGE
Solid on	>25V AC	>25V DC
Blinking at approx. 2Hz	>240V AC	>60V DC

BATTERY REPLACEMENT

When the Power-ON / Low Battery indicator ② blinks, the batteries must be replaced.

1. Remove screw ⑧ from battery compartment door ⑦.
2. Remove and recycle spent batteries.
3. Install two new AAA batteries. Note proper polarity.
4. Replace battery door and fasten securely with screw.

⚠ To avoid risk of electric shock, disconnect leads from any voltage source before removing battery door.

⚠ To avoid risk of electric shock, do not operate tester while battery door is removed.

CLEANING

Ensure tester is turned off and wipe with a clean, dry lint-free cloth. **Do not use abrasive cleaners or solvents.**

STORAGE

Remove the batteries when not in use for a prolonged period of time. Do not expose to high temperatures or humidity. After a period of storage in extreme conditions exceeding the limits mentioned in the General Specifications section, allow the tester to return to normal operating conditions before using.

DISPOSAL / RECYCLE



Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations. Please see www.epa.gov or www.ecycle.org for additional information.