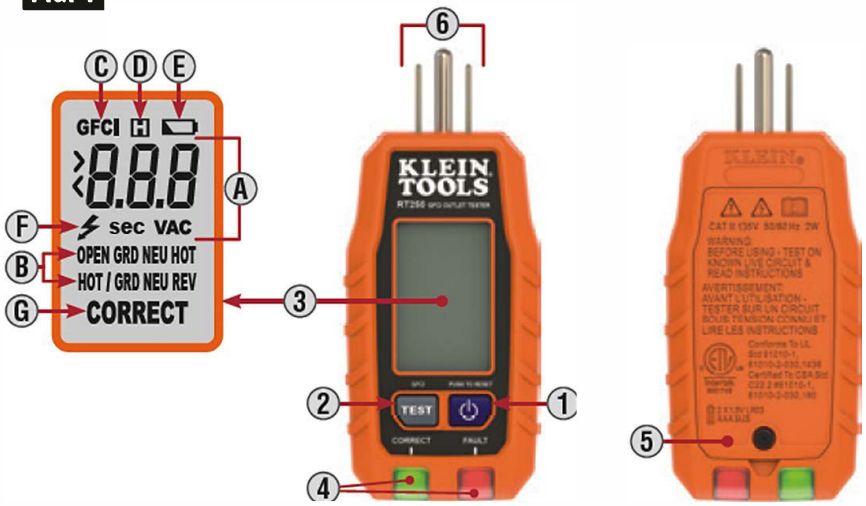
INSTRUCTIONS – GFCI Receptacle Tester with LCD (English: page 2)

RT250

INSTRUCCIONES – Probador de receptáculo GFCI con pantalla LCD (Español: página 3)

INSTRUCTIONS – Testeur de prises avec disjoncteur de fuite de terre avec écran ACL (Français : page 4)

FIG. 1



- LCD readout of voltage and wiring faults
- Inspect and check GFCI devices, including time to trip breaker
- Detect & identify common wiring faults and test wiring condition at electrical outlets
- Valores en pantalla LCD de voltaje y fallas de cableados
- Inspeccione y verifique dispositivos GFCI, incluyendo el tiempo de activación del cortacircuitos
- Detecte e identifique fallas de cableado comunes y pruebe condiciones de cableado en tomacorrientes
- Écran ACL pour les lectures de tension et d'anomalies de câblage
- Inspection et vérification des appareils munis d'un disjoncteur de fuite de terre, y compris le temps de déclenchement du disjoncteur
- Détection et identification des anomalies de câblage courantes et test de l'état du câblage des prises électriques

Durability / Durabilidad / Durabilité		
Drop Protection / Protección ante caídas / Protection contre les chutes		6.6 ft. (2 m)
Safety Rating / Clasificación de seguridad / Cote de sécurité		CAT II 135V

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, information 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

This product has been independently tested by Intertek and meets applicable published standards.
Este producto ha sido probado de manera independiente por Intertek y cumple con las normas publicadas vigentes.
Ce produit a été testé de manière indépendante par Intertek et répond aux exigences des normes applicables.

CAT II Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.
La categoría II de medición es aplicable a los circuitos de medición y prueba conectados directamente a puntos de utilización (tomacorrientes y puntos similares) de la instalación de red de bajo voltaje de un edificio.
Catégorie de mesure II applicable aux circuits de test et de mesure directement connectés aux points d'utilisation (prises de courant ou dispositifs similaires) de l'installation du RÉSEAU basse tension

Warranty / Garantía / Garantie : www.kleintools.com/warranty

ENGLISH

TESTER

1. Power button
2. GFCI Test Button
3. LCD Display
4. Indicator LEDs
5. Battery Compartment
6. Plug

LCD

A. Voltage / GFCI Trip Time (in seconds)
B. Wiring Fault Indicators
C. GFCI Mode Indicator
D. Hold Mode Indicator
E. Low Battery Indicator
F. Hazardous Voltage Indicator
G. Correct Wiring Indicator

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

ESPAÑOL

PROBADOR

1. Botón de encendido
2. Botón de prueba de GFCI
3. Pantalla LCD
4. Indicadores LED
5. Compartimiento de las baterías
6. Conector

PANTALLA LCD

A. Voltaje/tiempo de activación GFCI (en segundos)
B. Indicadores de fallas de cableado
C. Indicador del modo GFCI
D. Indicador del modo mantener
E. Indicador de batería baja
F. Indicador de voltaje peligroso
G. Indicador de cableado correcto

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

FRANÇAIS

TESTEUR

1. Bouton de mise sous tension
2. Bouton de test du disjoncteur de fuite de terre (GFCI)
3. Écran ACL
4. Voyants DEL
5. Compartiment à piles
6. Fiche

ÉCRAN ACL

A. Tension/temps de déclenchement du disjoncteur de fuite de terre (en secondes)
B. Indicateurs d'anomalie de câblage
C. Indicateur GFCI Mode (mode disjoncteur de fuite de terre)
D. Indicateur Hold Mode (mode maintien des données)
E. Indicateur de piles faibles
F. Indicateur de tension dangereuse
G. Indicateur de câblage adéquat

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

GENERAL SPECIFICATIONS

The RT250 is an electrical circuit tester that tests the wiring conditions at an electrical outlet, and inspects GFCI devices. The LCD displays the voltage, the wiring fault, and the GFCI trip time. It is designed for use with North American 120V electrical outlets.

- **Operating Altitude:** 6562 ft. (2000m)
- **Relative Humidity:** <85% non-condensing
- **Operating Temp:** 32° to 122°F (0° to 50°C)
- **Storage Temp:** -4° to 140°F (-20° to 60°C)
- **Dimensions:** 4.5" x 2.0" x 1.3" (114 x 50 x 33 mm)
- **Weight:** 4.8 oz. (136 g) including batteries
- **Battery Type:** 2 x 1.5V AAA Alkaline
- **Standards:** Conforms to UL STD.61010-1, 61010-2-030, 1436

  Certified to CSA STD C22.2 # 61010-1, 61010-2-030, 160
- **Pollution degree:** 2
- **Drop Protection:** 6.6 ft. (2m)
- **Safety Rating:** CAT II 135V

  CAT II: Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.

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.

- RT250 is designed for use with North American 120V electrical outlets. **DO NOT** connect to higher voltage electrical supplies.
- Prior to use, always verify tester operation by testing on a known live and correctly wired electrical circuit.
- **DO NOT** use if the tester appears damaged in any way.
- The tester is intended for indoor use only.
- Other equipment or devices attached to the circuit being tested could interfere with the tester. Clear the circuit before testing.
- This tester only detects common wiring problems. Always consult a qualified electrician to resolve wiring problems.
- **DO NOT** attempt GFCI ground fault testing on an incorrectly wired circuit. Consult a qualified electrician to resolve wiring problems.
- For use on 3-wire outlets only.

OPERATING INSTRUCTIONS

⚠ ***RT250 is designed for use with North American 120V electrical outlets. DO NOT connect to higher voltage electrical supplies.***

POWER ON/OFF

Press and hold the power button ① for two seconds to power ON/OFF the tester. When the tester is powered ON and not connected to a circuit, the LCD ③ will display "□□□" Ⓐ and "Open Hot" Ⓑ condition. ***NOTE:*** *The tester will automatically power OFF after 3 minutes of inactivity to conserve battery life.*

WIRING CONDITION

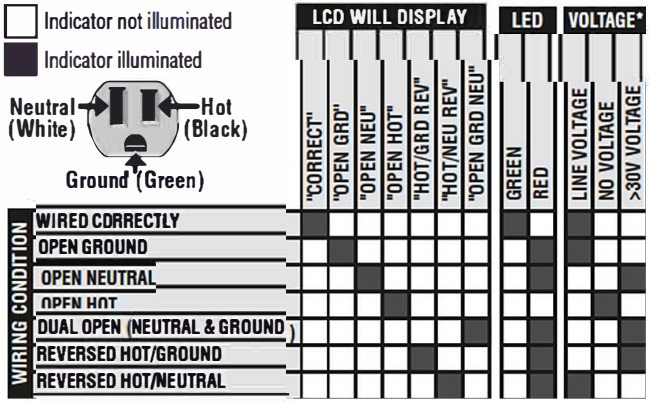
⚠ ***Prior to use, always verify tester operation by testing on a known live and correctly wired electrical outlet.***

With the tester powered ON and inserted in the outlet, the Hazardous Voltage Indicator Ⓕ will appear, and the red or green Indicator LED(s) ④ will illuminate. If the red indicator LED illuminates, unplug the tester to read voltage Ⓐ and wiring fault Ⓑ. The tester holds the information on the LCD and the Hold Mode indicator Ⓓ will illuminate. During this time the LCD will blink. The LCD will reset once it is plugged into another circuit, or, if no voltage is detected, the LCD will blink during the time-out period prior to auto-power off.

⚠ ***If the tester indicates that the circuit is not wired correctly, consult a qualified electrician.***

NOTE: *Conditions NOT indicated include, but are not limited to, quality of ground, multiple hot wires, reversal of neutral and ground conductors, and combinations of defects other than dual open neutral and ground.*

NOTE: *All appliances or equipment on the circuit being tested should be unplugged to help reduce the possibility of erroneous readings.*



**Expected voltage reading on LCD based on the indicated wiring condition.*

NOTE: *If the detected voltage is either low (30–85V AC) or high (135–150V AC), the red LED will illuminate. It is possible to have the red LED (indicating low or high voltage) and the green LED (indicating correct wiring) illuminated simultaneously.*

OPERATING INSTRUCTIONS

GFCI GROUND FAULT TESTING

NOTE: Prior to using this tester, check the GFCI device's user manual for information on how the specific device operates.

Power ON the tester ① and insert the plug into the outlet of the circuit under test. On a properly wired circuit, the green Indicator LED ④, the Hazardous Voltage Indicator Ⓕ and the Correct Wiring Indicator Ⓖ will illuminate.

⚠ ***If the tester indicates that the circuit is not wired correctly, DO NOT attempt to initiate an electrical testing event. Consult a qualified electrician.***

To initiate an electrical fault, press the GFCI button. The tester will create a 6mA to 9mA ground fault to trip the GFCI device. If successful, the display will toggle Ⓐ between the pre-test voltage and time to trip the breaker. If the circuit remains energized, or if ">6 sec" appears on the LCD, the device being tested may be miswired, may not be installed correctly, or may not be functioning correctly. ***Consult a qualified electrician.***

BATTERY REPLACEMENT

When the Low Battery Indicator Ⓔ illuminates, replace the batteries.

1. Loosen screw from battery cover ⑤.
2. Replace 2 x AAA batteries (note proper polarity).
3. Replace battery door and fasten securely with screw.

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

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

CLEANING

Be sure 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 tester is 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.

WARRANTY

www.kleintools.com/warranty

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.erecycle.org** for additional information.