




Gardner Bender CAM-10 Modular Voltage Testing Instruction Manual

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Gardner Bender CAM-10 Modular Voltage Testing



Specifications

- Model: CAM-10
- Type: Non-contact Voltage Tester
- Double insulation with respect to live circuits
- Voltage Category: III
- Pollution Degree: 2
- Intended Use: Non-contact AC voltage detection
- Approvals: ANSI/UL STD.61010-1, CAN/CSA STD. C22.2 No. 61010-1

Product Usage Instructions

Cleaning

Use a clean, dry cloth for cleaning. Do not use any type of solvent.

Warnings

- To be used by trained personnel only. High voltage AC and DC circuits are dangerous. Use extreme caution and test on a known live circuit before use.
- Avoid contact with live circuits. Always test on a known live circuit before use.
- This product should only be used to test or detect insulated wires and terminals, not for contacting live circuits.

Operation

1. Test the batteries by pressing the button marked PRESS on the CAM-10 tester. An audible tone and flash of light indicate that the unit is working.
2. To test for voltage:
 - Hold the tester with your thumb on the button marked PRESS.

- For maximum sensitivity, place your

Battery Installation

Follow these steps to install batteries in the CAM-10 tester:

1. Use a Phillips head screwdriver to loosen the screw on the battery cover but leave it engaged.
2. Push on the screw with the screwdriver to pop open the battery cover.
3. Insert the two LR44 batteries in the orientation indicated on the side of the battery cover.
4. Replace the cover and screw securely.

Storage

The CAM-10 tester can be stored in various Circuit hand tools for convenience. It also allows for adding a keychain or lanyard (not included)

Limited Lifetime Warranty

The product is warranted to be free of defects in materials and workmanship for its normal life. Gardner Bender offers repair or replacement under warranty terms.

FAQ

Q: Can the CAM-10 tester be used on live circuits?

A: No, the CAM-10 tester should not be used to contact live circuits. It is designed for testing or detecting insulated wires and terminals only.

OPERATING INSTRUCTIONS

CAM-10

Non-contact Voltage Tester

U.S. Patents/Patente estadounidense/Brevet pour les É.-U. 7,295,130; 7,468,674; D576,896; D578,368

SYMBOLS



This equipment has double insulation with respect to live circuits
Attention, consult the accompanying documents

SPECIFICATIONS

- Batteries: 2 LR44 button cell batteries
- Operating Range: 50-600 VAC, 50-60 Hz
- Voltage Indicators: Audible & Visual Alert
- Operating Temperature: 32-122°F (0-50°C)
- Storage Temperature: 0°F (-18°C) to 156°F (70°C)
- Humidity: 80% RH maximum below 86 °F(30 °C),
- 50% RH maximum above 86 °F (30 °C)
- Altitude: Up to 6561 feet (2000 meters)
- Safety: For indoor use and in accordance with over

- voltage category III, Pollution degree 2
- Intended Use: Non-contact AC voltage detection
- Serial No: See interior of battery cover
- Approvals: ANSI/UL STD.61010-1
- CAN/CSA STD. C22.2 No. 61010-1

CLEANING

Use clean, dry cloth. Do not use any type of solvent.

CLEANING

Use clean, dry cloth. Do not use any type of solvent.

BEFORE USE

READ ALL OPERATING INSTRUCTIONS BEFORE USE.

- FOR INTENDED USE ONLY. Protection provided by this product may be impaired if used with accessories not provided by the manufacture or if used as in a manner other than specified within.
- WARNING: To be used by trained person only. High voltage AC and DC circuits are dangerous. Use extreme caution and use as intended when testing potentially live circuits. Risk of Electrocution.
- WARNING: To assure that the unit is operating properly, ALWAYS test on a known live circuit before use. Keep hands and fingers on the tester and away from the sensor (red end). Risk of Electrocution.
- WARNING: This product should be used to test or detect insulated wires and terminals but should not be used to contact Live Circuits. This tester will not detect voltage in wires that are electrically shielded by metal conduit or grounded enclosures. Risk of Electrocution.

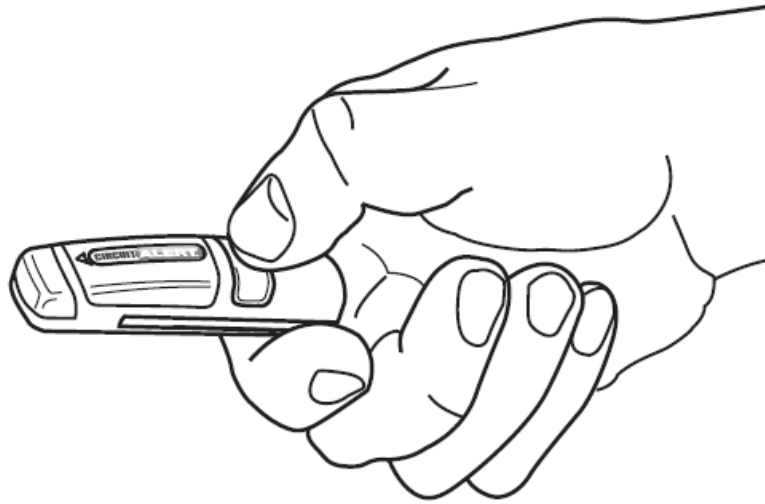
OPERATION

Before use, test the batteries of the CAM-10 tester by pressing the button on the tester marked PRESS. A momentary audible tone and flash of the light are an indication that the unit is working.

WARNING: Always test on known live circuit before use.

To test for voltage:

1. Hold the tester with your thumb on the CAM-10 tester button marked PRESS.
2. For maximum sensitivity place your finger directly opposite the tester button as shown.
3. To reduce the sensitivity of the tester move your index finger towards sensor end (red part).



4. Always keep a safe distance between you and potentially live voltage sources.
5. Press down and hold the test button on the tester.
A momentary alert indicates the unit is working.
6. Place the sensor (red end) near the wire or device to be tested.
Maintain a minimum distance of 0.5mm from contacting the wire or device to be tested. If voltage greater than 50 VAC is present, the tester light and tone will activate rhythmically at 10 to 15 cycles second.

BATTERY INSTALLATION

Removing the battery cover from the CAM 10 should be an easy task, however due to changes in the environment you might experience some tightness in the battery cover gasket, making it hard for the battery cover to come loose. Please follow this simple procedure to remove the battery cover:

1. Use a Phillips head screwdriver to loosen the screw. Leave the screw engaged. (Figure 1)
2. Push on the screw with the screw driver. (Figure 2)
3. The battery cover pops open. (Figure 3)
4. Insert the two LR44 batteries (included) in the orientation indicated on the side of the battery cover. Replace cover and screw.

MODULAR VOLTAGE TESTING HAND TOOLS

This CAM-10 voltage tester can be used on its own per the instructions above, and it can be stored in a variety of Circuit Alert™ hand tools including Work Lights, Electrician's Knives, Screwdrivers, and Wire Strippers for convenience. The CAM-10 also includes provisions for adding a keychain or lanyard (not included).

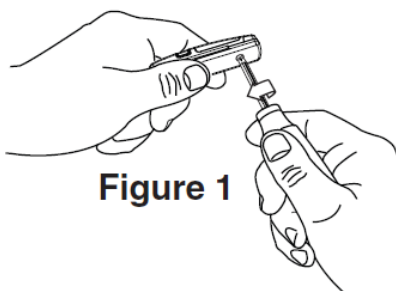


Figure 1

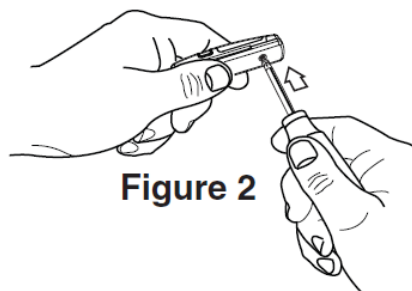


Figure 2

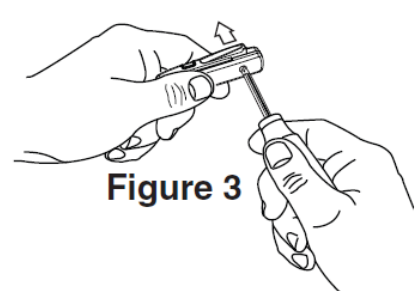


Figure 3

Limited Lifetime Warranty limited solely to repair or replacement; no warranty or merchantability or fitness for a particular purpose. Product is warrantied to be free of defects in materials and workmanship for the normal life of the product. In no event shall Gardner Bender be liable for incidental or consequential damage.

Documents / Resources



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CAM-10 Modular Voltage Testing, CAM-10, Modular Voltage Testing, Voltage Testing, Testing

References

- [User Manual](#)

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