



NTK139 Non-Contact Voltage Tester



Neoteck NTK139 Non-Contact Voltage Tester User Manual

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Neoteck NTK139 Non-Contact Voltage Tester



Launch Date: March 3, 2022.

Price: \$15.99

Introduction

For anyone who works with electricity, the Neoteck NTK139 Non-Contact Voltage Tester is a useful and necessary tool. With this tester, you can find AC voltage without touching any lines or electrical parts directly. It was made to be safe and effective. It works with a lot of different electrical systems, from home appliances to commercial machinery, because it can measure voltages from 12V to 1000V. It gives accurate and consistent results every time because the sensitivity can be changed and there are both audible and visible signs. The small size and light weight make it easy to take and store, and the LED flashlight makes it easy to see in dark places. The Neoteck NTK139 meets CE and RoHS standards and is safe, reliable, and easy to use for both experts and do-it-yourselfers.

Specifications

- **Brand:** Neoteck
- **Power Source:** Battery Powered
- **Style:** AC 12-1000V/48-1000V
- **Color:** Grey
- **Item Weight:** 0.09 Kilograms (3.17 ounces)
- **Item Dimensions:** 6.1 x 0.8 x 0.8 inches
- **Minimum Operating Voltage:** 12 Volts (AC)
- **Specification Met:** RoHS

- **Upper Temperature Rating:** 40°C
- **Measurement Type:** Voltmeter
- **Manufacturer:** Neoteck
- **Part Number:** NTK139
- **Item Model Number:** NTK139
- **Country of Origin:** China
- **Batteries:** 2 AAA batteries required (included)
- **Item Package Quantity:** 1
- **Measurement Accuracy:** 12-1000V / 48-1000V
- **Display Style:** LCD
- **Included Components:** 1 x Voltage Tester Pen, 2 x 1.5V AAA Batteries (included), 1 x Manual
- **Batteries Included?** Yes
- **Batteries Required?** Yes
- **Battery Cell Type:** Alkaline
- **Warranty Description:** 18 months from purchasing date

Package Includes



- 1 x Neoteck NTK139 Non-Contact Voltage Tester
- 2 x AAA Batteries
- 1 x User Manual

Product Overview

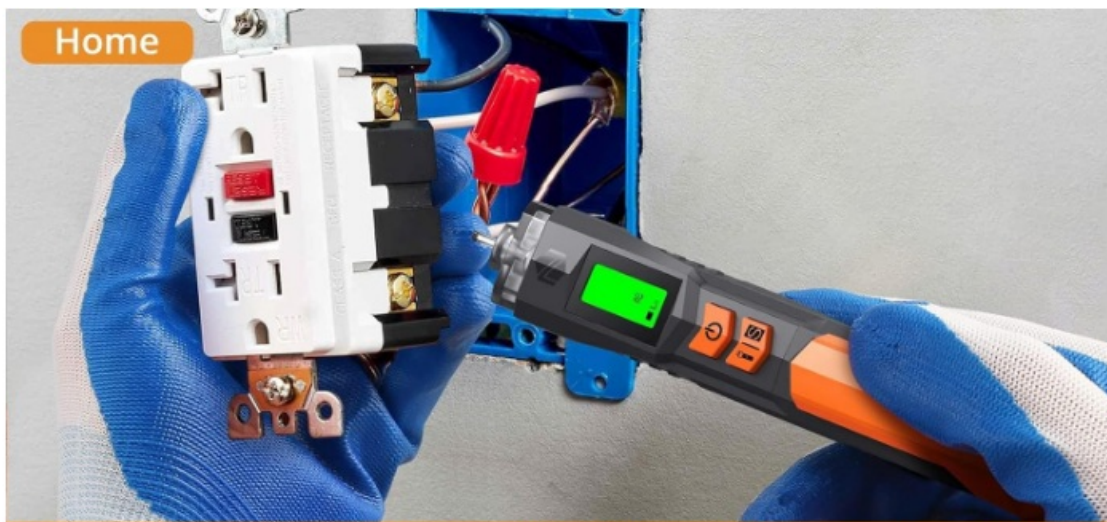


Features

1. **Testing for Voltage Without Touching It:** The Neoteck NTK139 can easily test for AC voltage from 90V to 1000V without touching the wire directly. This feature makes sure that you can use the tester without putting yourself in any danger from electricity, which makes it safer to use.



2. **Hearing and seeing indicators:** The Neoteck NTK139 has both hearing and seeing indicators. A loud buzzer sound and a bright LED light flash to let people know that power is present. This two-way feedback method makes sure that users can instantly tell when a circuit is live, even when the room is noisy or bright.
3. **Adjustable Sensitivity:** The tester has two sensitivity modes that you can change to fit the voltage range. If you press the "S" button, you can change the sensitivity to 12V to 1000V, which is higher than the 48V to 1000V mode that comes with the device. Because of this, the tester can be used with a wide range of electrical systems, such as home tools, outlets, and power lines.
4. **Wide Voltage Range:** The Neoteck NTK139 can pick up voltages from 90V to 1000V AC, so it can be used with both low and high voltage systems. This wide voltage detection makes it possible to do electrical checks in both homes and businesses, making sure that the results are accurate and safe in a variety of settings.
5. **LED Flashlight:** A bright LED flashlight is built in to light up work areas when there isn't much light, like when inspecting electrical systems at night or working in dark electrical panels. This helps you find power and work in dimly lit areas, which makes your work more accurate and safer.
6. **Design that is Small and Lightweight:** The Neoteck NTK139 is small and light, which makes it easy to carry and use in small places. The tester is easy to carry in your shirt pocket because it looks like a pen and has a pocket clip. You can use it whenever you need to. This tool is portable and easy to use, making it great for both engineers and people who like to do their own projects.
7. **Safe and Reliable:** The Neoteck NTK139 is safe and reliable because it has CE and RoHS certifications. It is approved for use with CE CAT III 600V and CE CAT IV 1000V, which means it meets strict safety standards for electricity. This approval makes sure that the tester can be used safely at home or in the workplace, giving you peace of mind while you test the electricity.



Helps Check Electrical Circuit Problem to Ensure Your Safety



8. **High Voltage Alert:** When testing voltages above 90V, the tester shows a high voltage alert by turning the screen red and showing a safety symbol. This helps users find places that could be dangerous. This safety feature makes it easy for people who work on their own or as a hobby to do the first important safety check they need to do before working with electrical circuits.
9. If you need to quickly find a wire stop, you can use the Neoteck NTK139. It lets people quickly find breakpoints in electrical lines when it is set to high sensitivity mode. And this is especially helpful for electricians because it speeds up the process of finding problems and fixes them more quickly.



10. **Automatic Power Off & Battery Indicator:** The Neoteck NTK139 has an automatic power-off mode that turns it off after 5 minutes of inactivity to save battery life. A low battery indicator also lets users know when the battery is getting low, so they can change it before it stops working in the middle of a use.
11. **There are two sensitivity modes on the tester:** Low Sensitivity (48–1000V AC) and High Sensitivity (12–1000V AC). This dual-range feature makes sure that voltage recognition is accurate and flexible in a variety of settings and situations. The sensitivity setting helps people tell the difference between live and dead wires, especially when they are close to each other.
12. **LCD panel:** The tester has an LCD panel that makes voltage readings and status indicators clear and easy to read. When checking for voltage, the screen will show green for “null” wires and red for “live” wires. This makes it easy to see right away what the wiring state is.



13. **Portability Pen Hook:** The tester comes with a pen hook that lets you hang it up in your pocket or on your work apron. This makes sure that it's always close at hand, which is great for workers who need to use the tester a lot.
14. **Ideal for homeowners and do-it-yourself fans:** This voltage tester was made to keep your home safe. It is perfect for homeowners and do-it-yourselfers who want to safely test electrical outlets, light fixtures, and other home items. It's a great choice for people who need a safe and reliable voltage detection tool because it's easy to use and has safety features.
15. **Important Note about Testing Christmas Lights:** The Neoteck NTK139 can't be used to test DC-powered Christmas lights. This is important to know because the tester is made to find AC voltage and might not work well with DC-powered circuits that are popular in some holiday lighting displays.

Usage

- **Power On:** Insert the included **AAA batteries** and power on the **Neoteck NTK139** by pressing the power button.
- **Voltage Detection:** Hold the tester near the area or object you wish to test (such as wires, outlets, or electrical panels). The tester will beep and flash the LED if voltage is present.
- **Adjust Sensitivity:** If needed, adjust the sensitivity by pressing the sensitivity button to ensure accurate readings in different environments.
- **LED Flashlight:** Use the built-in LED flashlight to illuminate the testing area for better visibility in low-light conditions.

- **Turn Off:** After use, turn off the tester to save battery life.

Care and Maintenance

1. **Battery Replacement:** Ensure that the tester operates efficiently by replacing the **AAA batteries** when the tester shows signs of low battery (such as a weak LED or audio signal).
2. **Cleaning:** Clean the tester regularly using a soft, dry cloth. Avoid using abrasive materials that may damage the surface.
3. **Storage:** Store the tester in a cool, dry place when not in use to prevent damage from extreme temperatures.
4. **Calibration:** Periodically check the tester’s calibration by testing known live circuits to ensure its accuracy.
5. **Battery Safety:** Always remove the batteries if the tester will not be used for an extended period to prevent battery leakage.

Troubleshooting

- **Tester Does Not Power On:**
 - **Possible Cause:** The batteries may be depleted.
 - **Solution:** Replace the **AAA batteries** with fresh ones and turn the tester on again.
- **No Voltage Detection:**
 - **Possible Cause:** The tester may not be detecting voltage due to improper sensitivity settings.
 - **Solution:** Adjust the sensitivity to a higher level and try testing again.
- **Erratic or Inconsistent Readings:**
 - **Possible Cause:** Interference from other electrical devices or faulty circuitry.
 - **Solution:** Ensure the area is free from interference and check the tester’s functionality by testing known live circuits.
- **Tester Gives Continuous Beeping:**
 - **Possible Cause:** The voltage is too high, or the tester is too close to the source.
 - **Solution:** Move the tester further away from the source or adjust sensitivity to match the voltage level.
- **No Visual or Audible Indicator:**
 - **Possible Cause:** The tester may be malfunctioning.
 - **Solution:** Check if the batteries are properly installed. If the issue persists, consult the user manual or contact customer support.

Pros and Cons

Pros	Cons
Easy to use with non-contact design	Limited to AC voltage only
Compact and portable	May not work well in very high humidity
Audible and visual alarms enhance safety	Sensitivity may require adjustment

Contact Information

- **Phone:** +1 [800-966-0500](tel:800-966-0500) (Toll-Free) or +1 [661-775-7466](tel:661-775-7466)

- **Fax:** +1 [661-775-7464](tel:661-775-7464)
- **Address:** 28430 Witherspoon Parkway, Valencia, CA 91355, United States
- **Email:** support@neoteck.com

Warranty

The Neoteck NTK139 comes with a standard one-year warranty covering manufacturing defects. Be sure to retain your purchase receipt for warranty claims.

FAQs

What is the voltage range of the Neoteck NTK139 Non-Contact Voltage Tester?

The Neoteck NTK139 Non-Contact Voltage Tester can detect voltages from 12V to 1000V AC, making it suitable for a wide range of electrical applications.

How does the Neoteck NTK139 detect voltage?

The Neoteck NTK139 uses non-contact voltage detection, which means it can sense voltage without needing to physically touch electrical components.

What is the sensitivity range of the Neoteck NTK139?

The Neoteck NTK139 offers two sensitivity modes: a high sensitivity mode for 12V to 1000V and a low sensitivity mode for 48V to 1000V, ensuring flexible detection for various scenarios.

What is the maximum voltage the Neoteck NTK139 can detect?

The Neoteck NTK139 can detect voltages up to 1000V AC, making it suitable for high-voltage electrical systems.

How long is the warranty for the Neoteck NTK139?

The Neoteck NTK139 comes with an 18-month warranty from the date of purchase, offering peace of mind for buyers.

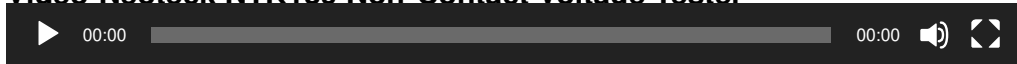
Can the Neoteck NTK139 be used in wet or damp conditions?

While the Neoteck NTK139 is built for safety, it is recommended to use it in dry conditions to avoid any risk of electrical shock. Always ensure the tester is dry before use.

What is the display type of the Neoteck NTK139?

The Neoteck NTK139 features an LCD display, which provides clear visibility of the detection status and voltage levels.

Video-Neoteck NTK139 Non-Contact Voltage Tester



<https://www.referencessals.com/wp-content/uploads/2025/01/Neoteck-NTK139-Non-Contact-Voltage-Tester.mp4>

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