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VENLAB
VD-200 Voltage
Circuit Tester

VENLAB VD-200 Voltage Circuit Tester User Manual

Contents

VENLAB

VENLAB VD-200 Voltage Circuit Tester

Launch Date: November 2023
Price: $13.99

Introduction

The VENLAB VD-200 Voltage Circuit Tester is a very useful and reliable device that can find live electrical circuits quickly and safely. This voltage tester doesn't need to be touched to find AC/DC values from 12V to 250V. It gives accurate results right away. The VENLAB VD-200 is small and light, so it's easy to carry around and use in small areas. This makes it perfect for both pros and do-it-yourselfers. The device has a clear LED light that glows red when it detects high voltage and yellow when it detects low voltage. It also has audio alarms to make it easy to find. Because it has both a high and a low sensitive mode, the tester can be used for a wide range of voltages and tasks. It has a 9V battery that lets you use it continuously for up to 100 hours. This makes it a durable and cost-effective choice. The VENLAB VD-200 is made to last with a shockproof plastic body. It's great for checking lines, plugs, switches, and more. With its flashlight and red pointing light, the VENLAB VD-200 makes sure you are safe when you are working in low light or need to find live wires. The tool is an important part of any electrical toolbox because it has a safe monitor and safety features.

Specifications

- **Brand**: VENLAB
- **Power Source**: Battery Powered
- **Style**: Voltage Tester
- **Color**: Blue
- **Minimum Operating Voltage**: 12V
- **Package Dimensions**: 6.69 x 1.46 x 1.3 inches
- **Item Model Number**: VD-200
- **Batteries**: 2 AAA batteries (included)
- **Weight**: 2.4 ounces

Package Includes

- 1 x VENLAB VD-200 Voltage Circuit Tester
- 1 x 9V Battery (pre-installed)
- 1 x User Manual

Features

1. **Wide Range of Voltages:** The VENLAB VD-200 can test a lot of different voltages, from 12V to 250V AC/DC. Because of this, it can be used in a lot of different situations, like home electrical circuits, car diagnostics, and industrial systems. You can trust it to do both low and high voltage checks.
2. **LED sign:** The tester has a clear LED sign that lights up right away when power is found. It's easy to tell if a circuit is live or dead with this visual sign. The LED light changes color (usually red for live circuits and yellow for neutral circuits) based on the voltage level, so users can quickly and accurately see what the situation is.
3. **Small and Lightweight:** The VENLAB VD-200 is so small that it fits in your pocket, making it very easy to carry around. It's small and light, so you can carry it in your pocket or bag without much trouble. Because it is small, you can also use it in small places, and the tester will always be close by when you need it.
4. **Strong Construction:** The tester's body is made of shockproof plastic that is made to last through daily use. The tester is built to last, so it won't break if you drop it or handle it wrong, whether you're using it on the job site or in your home workshop. This tough design makes it reliable and effective for a long time.

5. **Not Touching Voltage:** The best way to find electrical current is to use the non-contact voltage (NCV) monitoring tool. The tester doesn't have to touch any wires or circuits to find voltage, which makes getting an electric shock much less likely. The VENLAB VD-200 is safer than other tests because it doesn't need to be directly connected to the electrical circuit.

6. **Powered by batteries:** The VENLAB VD-200 comes with a 9V battery that can power it for up to 100 hours straight. This makes it great for long work days. The tester is always ready to use because the battery is easy to swap out.
7. **High and Low Sensitivity Modes:** The tester has a sensitivity mode that can be switched between High and Low settings, so users can choose the right setting for the voltage they are testing.
   - **High Sensitivity**: This type of tester is used to check voltages between 12V and 1000V, such as those in electrical outlets and circuit breakers.

Dual Testing Range

H/L

12V-1000V High Sensitivity

48V-1000V Low Sensitivity

- **Low Sensitivity:** Made to test voltages between 48V and 1000V, like in high-voltage systems or industrial equipment.

  Because of this, the sensor can be used with many different types of electrical devices.

8. **Alarms that can be seen and heard:** The VENLAB VD-200 gives both a visible and an audio alert when voltage is detected:

   1. A high-frequency beep and a red LED light show that high power is present.
   2. **Low-Frequency Beep and Yellow LED Light:** These show that low power is present. The sound and light signals help people stay aware of live circuits even when they are in a noisy place.

9. **Built-in Flashlight:** Having a built-in flashlight makes it easier to work in dark places or when the power goes out. This feature is especially helpful for checking plugs in dark places or doing electrical fixes in places with poor lighting.

10. **Red Pointing Light:** The tester has a red pointing light that can be used to focus on a certain area while checking the electricity. A laser can help you aim at specific lines or switches, especially when working in big electrical panels or with complicated circuits.

Red Pointing Light
A different form of communication at jobsite

11. **Recognition of Live and Null Lines:** This tool helps people tell the difference between live and neutral wires:
    - **Live Wire:** The tester beeps quickly and flashes red.
    - **Neutral Wire:** The tester makes a slow beep and flashes yellow.
      This feature lets you quickly find wires in electrical systems, which makes sure that your checking is safe and correct.
12. **Automatic Off**: The VENLAB VD-200 has an auto-off mode that saves battery power. The tester will turn off immediately after a while of not being used. This helps the battery last longer and makes sure it's ready for the next use.
13. **Portable and useful:** The tester is made to be light, and it comes with a pocket clip to make it easy to carry. That way, you can keep it in your pocket or hang it from your belt so it's always close by and easy to use.
14. **Breakpoint Test:** The tester can do a Breakpoint Test, which checks for changes in voltage along the circuit to see if a wire or link is working properly. This feature comes in handy when trying to fix electricity problems.

Breakpoint Scanning

Turn on high sensitivity mode when checking breakpoint = ▶ H/L

15. **Wide Range of Uses**: The VENLAB VD-200 can be used for many different things, such as Wires, connections, and plugs in homes and businesses are being tested.

   - Figuring out what's wrong with electricity problems in factories or cars.
   - Making sure that electrical equipment is safe and works properly while it is being maintained or fixed.

Usage

- **Circuit Testing**: Use the VENLAB VD-200 to check whether an electrical circuit is live. Place the tester near the wire or outlet to check if it's carrying current.
- **Home Electrical Maintenance**: Ideal for use when testing outlets, switches, and light fixtures to ensure they are functioning properly.
- **Workshops & Automotive Applications**: Helpful for professionals working with automotive circuits or in workshops where voltage testing is needed.

Care and Maintenance

1. **Battery Care**: Replace the 9V battery when the LED indicator starts to dim or when voltage detection is inconsistent. Ensure the tester is turned off when not in use to preserve battery life.
2. **Clean the Tester**: Use a soft, dry cloth to wipe the exterior of the tester. Avoid using any harsh chemicals or water.
3. **Storage**: Store the tester in a cool, dry place, away from extreme temperatures. Always store the tester in its original case or pouch to avoid physical damage.

4. **Inspect Regularly**: Before each use, visually inspect the tester for any cracks, loose parts, or damage. If any issues are found, discontinue use and replace the unit.

Troubleshooting

LED Indicator Does Not Light:

- Ensure the battery is properly installed and not depleted. Replace the battery if necessary.
- Confirm that the tester is in close proximity to a live wire or outlet that is supplying power.

Inaccurate Readings:

- If the tester is not providing correct readings, it could be due to a low battery. Replace the battery to restore accuracy.
- Test in a known live circuit to ensure the tool is working properly.

No Voltage Detection:

- Double-check that the voltage is within the tester's range (12V-250V). For circuits outside this range, use a different tester designed for higher voltage.
- Ensure that the tester is being used properly, and test again to confirm accuracy.

Pros and Cons

Pros	Cons
Easy to use with non-contact feature	Limited to AC voltage detection
Dual sensitivity settings	May require battery replacements
Built-in flashlight enhances usability	Not suitable for testing DC voltages
Excellent customer support	Initial learning curve for new users

Warranty

The VENLAB VD-200 comes with a **36-month warranty**, ensuring peace of mind for users regarding product quality and reliability. For warranty claims, retain your purchase receipt and contact customer support with your details.

FAQs

What is the primary function of the VENLAB VD-200 Voltage Circuit Tester?

The VENLAB VD-200 Voltage Circuit Tester is designed to safely detect live electrical circuits by identifying voltage levels from 12V to 250V AC/DC without making direct contact with the wires.

How does the VENLAB VD-200 alert users when voltage is detected?

The VENLAB VD-200 uses a combination of LED lights and audible alarms to alert users. A red LED indicates high voltage, while yellow LED and lower frequency beeping signal low voltage.

What is the sensitivity range of the VENLAB VD-200 Voltage Circuit Tester?

The VENLAB VD-200 offers high and low sensitivity modes, which cater to voltage ranges of 12V to 1000V for high sensitivity, and 48V to 1000V for low sensitivity.

What type of battery does the VENLAB VD-200 use, and how long does it last?

The VENLAB VD-200 uses a 9V battery, offering up to 100 hours of continuous use before requiring replacement.

What is the minimum voltage required for the VENLAB VD-200 to detect voltage?

The VENLAB VD-200 can detect voltages starting from 12V, making it suitable for testing a wide range of household and automotive circuits.

How does the VENLAB VD-200 help in identifying live and neutral wires?

The VENLAB VD-200 indicates live wires with a red LED and a quick beeping sound, while neutral wires are signaled with a yellow LED and slower beeping sound.
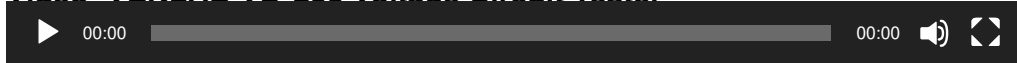
What is the maximum voltage range that the VENLAB VD-200 can test?

The VENLAB VD-200 can detect voltages up to 250V AC/DC, making it versatile for testing different electrical systems.

What safety features does the VENLAB VD-200 have?

The VENLAB VD-200 has non-contact voltage detection, an LED indicator for voltage detection, audible alarms, and a shockproof plastic body to ensure user safety during operation.

Video- VENLAB VD-200 Voltage Circuit Tester

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References
https://manuals.plus/wp-content/uploads/2025/01/VENLAB-VD-200-Voltage-Circuit-Tester.mp4

- **User Manual**