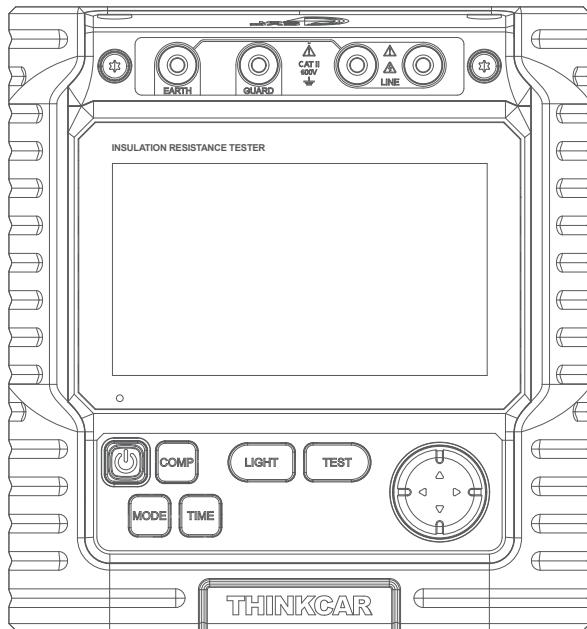


# THINKCAR CE EVC201

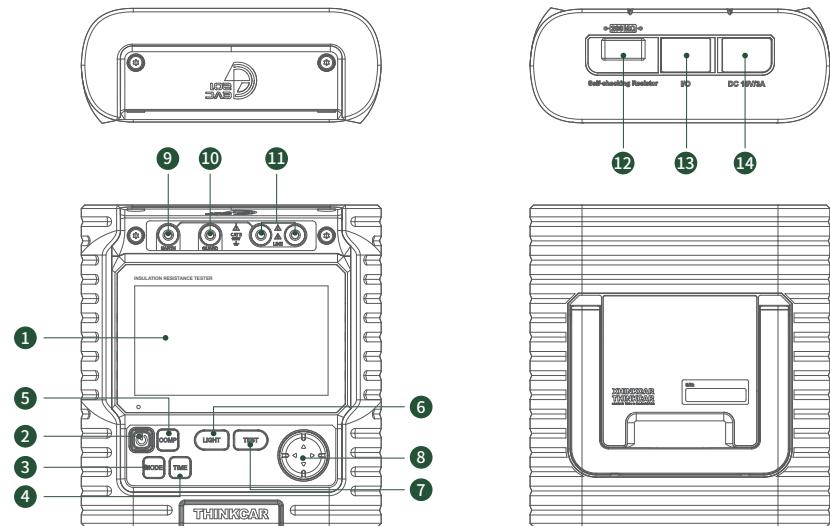


Quick Start Guide

# 01 / Product introduction

THINKCAR CE EVC201 Insulation Tester (hereinafter referred to as insulation tester) is an instrument for measuring the insulation characteristics of power motors, power batteries, power cables, high-voltage switches and mutual inductors of new energy vehicles. It adopts high performance embedded processor and real time operating system, with high degree of automation, strong anti-interference ability, and automatic calculation of absorption ratio and polarization index. It is suitable for the necessary insulation characteristics inspection during the maintenance of new energy vehicles, reducing the safety risks caused by aging and damage of insulation problems when users maintain and test various types of equipment, and improving maintenance efficiency.

# 02 / Meet the insulation tester



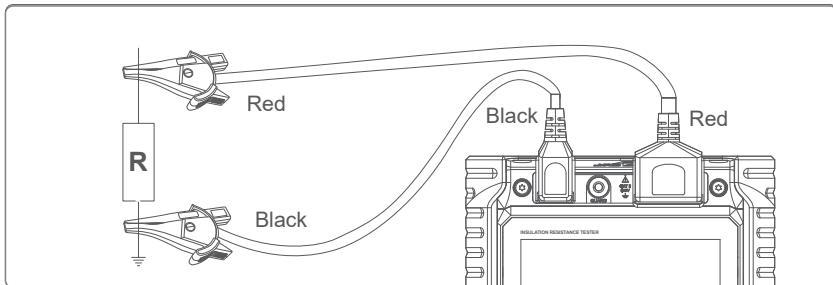
- ① Screen: Displays the test value.
- ② ON/OFF: Long press to turn on/off.
- ③ COMP: Compare mode settings.
- ④ MODE: Insulation resistance continuous test mode (default), DC voltage measurement mode, AC voltage measurement mode.
- ⑤ TIME: Timing mode setting.
- ⑥ LIGHT: Backlight adjustment key.
- ⑦ TEST: Test the start button.
- ⑧ Up/Down/Left/Right: Up/Down key

selects test high voltage output value, Left/Right selects comparison or timed value display.

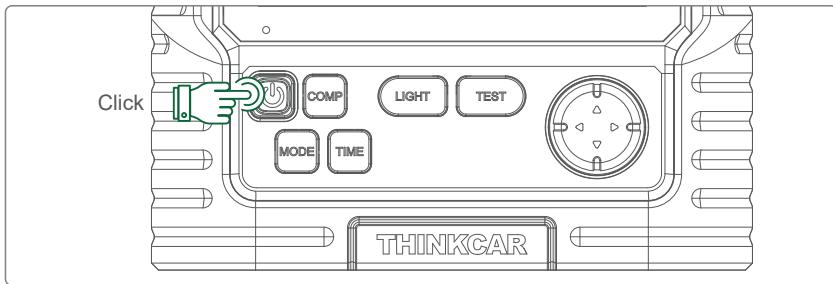
- ⑨ EARTH: Grounding jack.
- ⑩ GUARD: Protects the jack.
- ⑪ LINE: Voltage output jack
- ⑫ Self-checking Resistor: Self-calibrating 200MΩ resistor.
- ⑬ I/O: Data communication port.
- ⑭ DC port: Device charging port.

## 03 / Steps to use

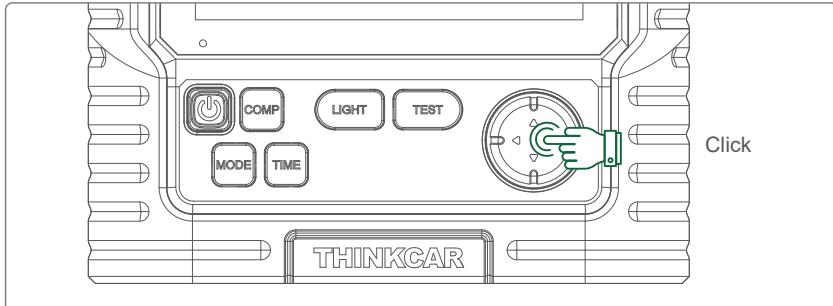
1. First, insert the single-ended black test lead and the double-ended red test lead into the corresponding color test holes of the insulation tester, and then connect the black clip (grounding end) and the red clip on the other end to the two ends of the object under test as shown in the figure below.



2. When the power is sufficient, press and hold the ON/OFF button until the TEST button background LED lights up, the device enters initialization and then turns on with a buzzer tone. The default is to enter the insulation resistance continuous measurement.

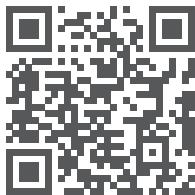


3. In the continuous measurement mode of the insulation tester, press the up and down buttons to select the output voltage for the test (default 500V).



## 04 / More details

1. Go to "Other->Manual" in the insulation tester section on the main screen of the device for details.
2. Scan the following QR code from your cell phone for detailed instructions.



## 05 / Warranty Terms

This warranty applies only to users and distributors who purchase THINKCAR products through normal procedures.

Within one year from the date of delivery, THINKCAR warrants its electronic products for damages caused by defects in materials or workmanship. Damages to the equipment or components because of abuse, unauthorized modification, use for nondesigned purposes, operation in a manner not specified in the instructions, etc. are not covered by this warranty.

## 06 / Customer Service Center

- If you encounter any problems during the operation of the equipment, please contact Thinkcar Tech Inc.
- Service Line: 1-909-757-1959
- Service Email: support@thinkcar.com
- Official website: [www.thinkcar.com](http://www.thinkcar.com)
- For tutorials on the use of the product, more questions and answers, and a specific list of models covered, please visit the official website.

--Read this operation guide in detail.

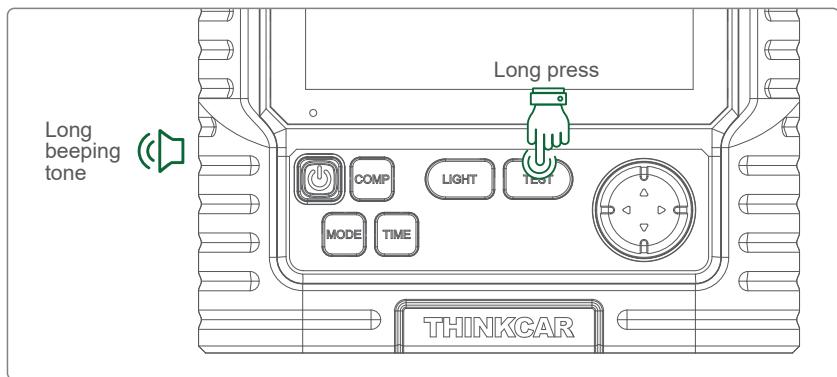
--Strictly follow the safety rules and precautions listed in this guide.

Safety should be observed under all circumstances when using the THINKCAR CE EVC201 Insulation Tester.

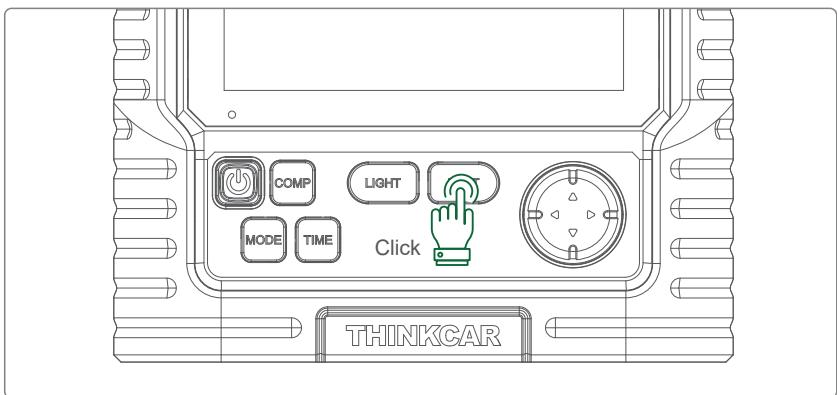
Pay attention to the labeling text and symbols on the panel and back panel of this meter.

Due to the reason of insulation tester, if the continued use will bring danger, it should be stopped and sealed, and handled by the personnel with THINKCAR authorized qualification.

4. Press and hold the "TEST" key for 2 seconds to start the test, and a long buzzer tone will sound at the same time. When the buzzer tone ends, the test is completed and the insulation resistance value is displayed on the reading screen.



5. When the test is complete, click the "TEST" button again. If you need to test again, repeat the above steps.



#### **⚠ Caution:**

1. Press and hold the ON/OFF button for 3 seconds to turn off the device in the power on state.
2. In order to protect the battery and the normal working performance of the device, the device will be forced to shut down when the voltage is too low.
3. The device will shut down automatically when there is no operation for more than 15 minutes.
4. When charging, the device will not work for personal safety.

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