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› [KAIWEETS KT301P Circuit Breaker Finder and KT301T GFCI Outlet Tester User Manual](#)

KAIWEETS KT301P, KT301T

KAIWEETS KT301P Circuit Breaker Finder and KT301T GFCI Outlet Tester User Manual

Model: KT301P, KT301T

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your KAIWEETS KT301P Circuit Breaker Finder and KAIWEETS KT301T GFCI Outlet Tester. These tools are designed to assist in identifying circuit breakers, testing outlet wiring, and verifying GFCI functionality in residential and commercial electrical systems. Please read this manual thoroughly before operation and retain it for future reference.



Image: The KAIWEETS KT301P Circuit Breaker Finder (left) and two KAIWEETS KT301T GFCI Outlet Testers (right), showcasing the complete product set.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the devices:

- Do not use the devices if they appear damaged or are not operating correctly.
- Ensure the devices are rated for the voltage and current of the circuit being tested. These devices are designed for North American 3-wire 120V outlets.
- Always assume circuits are live until verified otherwise.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and insulated gloves, when working with electrical systems.
- Do not attempt to open or modify the devices. There are no user-serviceable parts inside.
- Keep the devices dry and clean. Avoid exposure to moisture or extreme temperatures.
- The KT301P Circuit Breaker Finder is rated CAT II 125V. The KT301T GFCI Outlet Tester is rated CAT II 110-125V.

Adhere to these safety ratings.

PRODUCT OVERVIEW

KAIWEETS KT301P Circuit Breaker Finder (Receiver)

- **LCD Display:** Shows signal strength, voltage, and NCV status.
- **Function Button (FUNC):** Toggles between modes.
- **Power Button:** Turns the device on/off.
- **NCV Sensor:** Detects non-contact voltage.
- **LED Indicator:** Provides visual feedback.

KAIWEETS KT301T GFCI Outlet Tester (Transmitter)

- **LCD Display:** Shows real-time voltage, wiring status, and GFCI test results.
- **Wiring Status Indicators:** LEDs (Green/Orange) for correct/faulty wiring.
- **TEST Button:** Initiates GFCI trip test.
- **RESET Button:** Resets the GFCI after a trip test.
- **Power Button:** Turns the device on/off.

SETUP

Both devices are typically ready for use out of the box. Ensure any protective films are removed from the displays. No battery installation is typically required for the KT301T as it draws power from the outlet. The KT301P receiver may require batteries (check packaging for type and installation instructions if applicable, usually AAA or 9V).

OPERATING INSTRUCTIONS

A. Using the KT301P Circuit Breaker Finder

1. **Connect the Transmitter:** Plug the KT301T GFCI Outlet Tester (acting as the transmitter) into the outlet connected to the circuit you wish to identify. Ensure the outlet is live.
2. **Power On Receiver:** Turn on the KT301P Circuit Breaker Finder (receiver).
3. **First Scan (Learn Mode):**

Slowly scan the receiver along the circuit breakers in your electrical panel. The receiver will emit audible and visual indications. During this "Learn" phase, ignore these initial indications. The device is mapping the electrical signatures of the breakers.

FIND YOUR BREAKER IN JUST 2 SCANS

First Scan to **Learn**

Make sure to scan all breaker in the panel.
Ignore any audible and visual indications during this process.



Second Scan to **Locate**

Scan the panel again.
The receiver will now accurately locate the correct breaker.



Image: Illustration of the first scan (Learn mode) where the receiver is passed over circuit breakers in a panel, showing a green indication.

4. **Second Scan (Locate Mode):**

Scan the circuit breakers again, moving slowly. The receiver will now accurately identify the correct breaker associated with the plugged-in transmitter by providing a distinct audible tone and a strong visual signal on its LCD display.



ACCURATE & FAST

Quickly identify the correct circuit breaker
with precision

Image: The KT301P receiver accurately identifying a circuit breaker with a clear red visual indication and sound icon.

FIND YOUR BREAKER IN JUST **2 SCANS**

First Scan to **Learn**

Make sure to scan all breaker in the panel.
Ignore any audible and visual indications during this process.



Second Scan to **Locate**

Scan the panel again.
The receiver will now accurately locate the correct breaker.



Image: Illustration of the second scan (Locate mode) where the receiver pinpoints the correct circuit breaker with a red indication and audible alert.

5. **Non-Contact Voltage (NCV) Testing:**

The KT301P receiver also functions as an NCV tester. Hold the NCV sensor near wires, outlets, or other electrical components to detect the presence of AC voltage without direct contact. The device will provide visual and audible alerts if voltage is detected.

NON CONTACT VOLTAGE TESTER



Image: A hand holding the KT301P receiver near an electrical outlet, demonstrating its non-contact voltage detection capability with a red light and sound icon.

B. Using the KT301T GFCI Outlet Tester

1. **Plug into Outlet:** Insert the KT301T GFCI Outlet Tester into a standard 3-prong 120V North American outlet.
2. **Read Wiring Status:** The LCD display will immediately show the real-time voltage and the wiring status. The bottom LED indicators will also illuminate (Green for correct, Orange for fault).

WIRING FAULT DETECTION & VOLTAGE DISPLAY

Compatible with Standard 120V North American Outlets

- Correct wiring
- Missing Live
- Open Ground
- Open Neutral
- Live & Ground Reversed
- Live & Neutral Reversed
- Live & Ground Reversed
Open Ground

Operating voltage

90-120V

Security Level

CAT II 300V



Image: The KT301T GFCI Outlet Tester displaying wiring fault detection and voltage. It lists various wiring conditions like Correct Wiring, Open Ground, Open Neutral, Missing Live, Live & Ground Reversed, and Live & Neutral Reversed.



Image: A grid showing different wiring fault indications on the KT301T, including Correct Wiring, Open Ground, Open Neutral, Missing Live, Live & Ground Reversed, and Live & Neutral Reversed Open Ground, each with a distinct display and LED pattern.

3. GFCI Trip Test:

For GFCI outlets, press the **TEST** button. A functional GFCI outlet should trip, cutting power to the outlet. The tester's display will indicate a successful trip (e.g., "PAS" or similar). If the GFCI does not trip, it indicates a fault and the GFCI should be replaced.

After testing, press the **RESET** button on the GFCI outlet itself to restore power.

DUAL-PURPOSE OUTLET TESTER

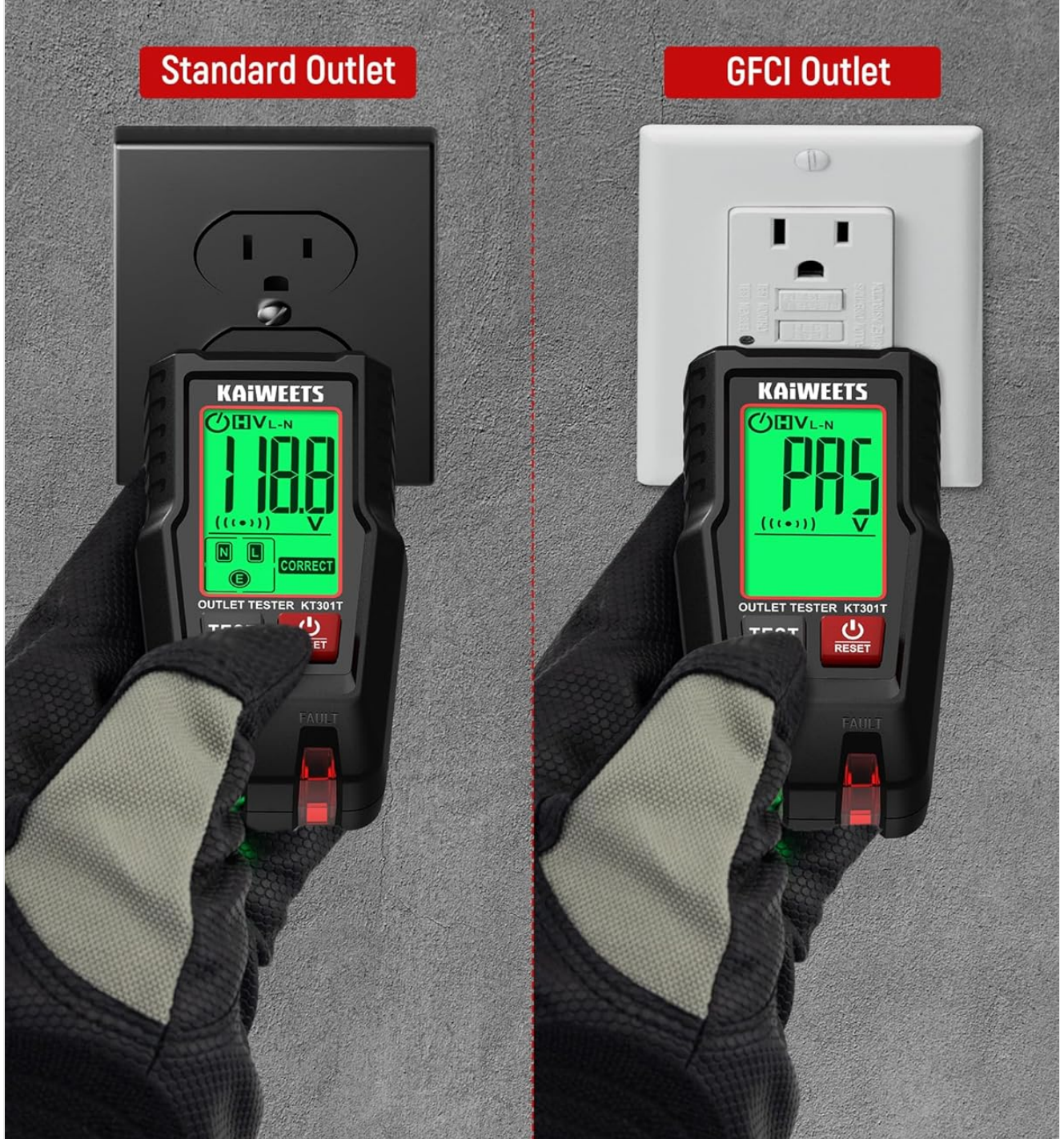


Image: Comparison of the KT301T testing a standard outlet (displaying voltage) and a GFCI outlet (displaying "PAS" after a successful trip test).

4. Interpreting Display and Indicators:

The large LCD screen provides detailed information. Refer to the legend on the device or in this manual for specific fault indications. Green LEDs typically signify correct wiring, while orange/red LEDs indicate a fault.

GFCI OUTLET TESTER



Auto-hold Data
for 5-Min



Test GFCI &
Standard Outlets



Intuitive Wiring
Condition



Bright LED
Indicators



Low Battery
Alert



5-Min Auto
Power-off



Image: The KT301T GFCI Outlet Tester highlighting its features: auto-hold data, GFCI and standard outlet testing, intuitive wiring condition display, bright LED indicators, low battery alert, and 5-minute auto power-off.

1.8" BACKLIT LCD COLOR SCREEN

Easy viewing in dark or bright settings



Image: The KT301T GFCI Outlet Tester plugged into an outlet, showcasing its 1.8-inch backlit LCD color screen displaying voltage and correct wiring status, with icons for various features.

5. **Auto-Hold Function:** The KT301T retains the latest outlet test results and voltage reading for 5 minutes even after unplugging, allowing for convenient review.
6. **Auto Power-Off:** The KT301T features a 5-minute auto power-off to conserve energy.

MAINTENANCE

- **Cleaning:** Wipe the devices with a dry, soft cloth. Do not use abrasive cleaners or solvents.

- **Storage:** Store the devices in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement (KT301P):** If the KT301P receiver uses batteries, replace them when the low battery indicator appears on the display. Refer to the battery compartment for the correct battery type and orientation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
KT301P receiver not powering on.	Dead or incorrectly installed batteries.	Replace batteries with new ones, ensuring correct polarity.
KT301P receiver not detecting breaker.	Transmitter not plugged in or circuit is dead; improper scanning technique.	Ensure KT301T transmitter is plugged into a live outlet. Perform both "Learn" and "Locate" scans slowly and thoroughly.
KT301T display is blank.	No power from the outlet; device auto-powered off.	Ensure the outlet is live. Press the power button to turn it on if it auto-powered off.
GFCI outlet does not trip during test.	Faulty GFCI outlet; incorrect wiring.	The GFCI outlet is likely faulty and requires replacement. Consult a qualified electrician.
Inaccurate wiring fault indication.	Poor connection; complex wiring issue.	Ensure the tester is fully inserted into the outlet. Re-test. If issues persist, consult a qualified electrician.

SPECIFICATIONS

Feature	Detail
Brand	KAIWEETS
Models	KT301P (Circuit Breaker Finder), KT301T (GFCI Outlet Tester)
Power Source (KT301T)	Corded Electric (from outlet)
Operating Voltage (KT301T)	90-120V AC (for wiring detection)
Min. Operating Voltage (KT301P)	120 Volts (AC) <i>(Note: Original data specified DC, but AC is assumed for typical circuit breaker finder operation.)</i>
Safety Certification (KT301P)	CAT II 125V
Safety Certification (KT301T)	CAT II 110-125V
Display	LCD with Backlight
GFCI Test Current	>5mA
Wiring Faults Detected	Correct Wiring, Open Ground, Open Neutral, Missing Live, Live & Ground Reversed, Live & Neutral Reversed, Live & Ground Reversed Open Ground

Feature	Detail
Auto-Hold (KT301T)	5 minutes
Auto Power-Off (KT301T)	5 minutes

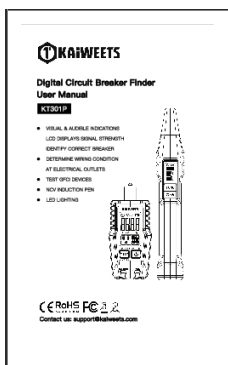
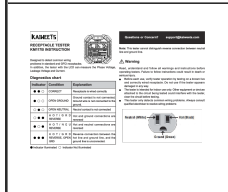
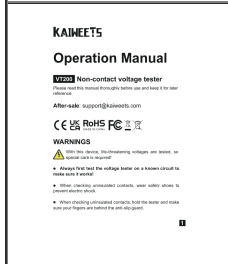
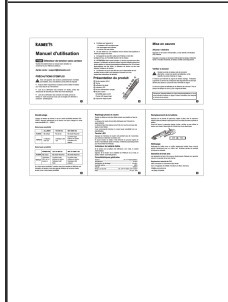
WARRANTY AND SUPPORT

KAIWEETS products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official KAIWEETS website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact KAIWEETS customer service through their official channels.

You can visit the KAIWEETS Store for more information: [KAIWEETS Official Store](#)

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Related Documents - KT301P, KT301T

	<p>KAIWEETS KT301P Digital Circuit Breaker Finder User Manual</p> <p>User manual for the KAIWEETS KT301P Digital Circuit Breaker Finder, detailing features, safety warnings, operating instructions, and accessory usage for locating circuit breakers and testing wiring conditions.</p>
	<p>Kaiweets KM117B Receptacle Tester Instructions and Safety Guide</p> <p>Comprehensive guide for the Kaiweets KM117B Receptacle Tester, detailing its features for detecting wiring problems, GFCI testing, and voltage measurements. Includes safety warnings and technical specifications.</p>
	<p>KAIWEETS VT200 Non-contact Voltage Tester Operation Manual</p> <p>Official operation manual for the KAIWEETS VT200 non-contact voltage tester, providing detailed instructions on usage, safety features, product overview, technical specifications, and maintenance.</p>
	<p>VT200 Non-Contact Voltage Detector User Manual</p> <p>User manual for the Kaiweets VT200 non-contact voltage detector, covering safety precautions, product overview, operation, battery replacement, and general specifications.</p>

Operation Manual

KAIWEETS

ST120

Smart Pen-type Multimeter

Please read this manual thoroughly before use and keep it for later reference.

After-sale:

support@kaiweets.com

UK Authorized Representative
Company Name: UK Consulting Limited
Address: 100 The Consulting Limited Office 1st,
Churchill House, London Road, Borehampton,
Thames Valley, Borehampton, W9 4AX
Tel: +44 (0)1895 877888
Email: UK@UKREP.com

Safety Statement

Warning: Operation that may cause danger to users.

Safety Instructions

The meter conforms to IEC61010-1
CAT.II 600V overvoltage safety
standard and pollution level 2.

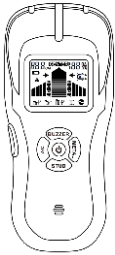
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[KAIWEETS ST120 Smart Pen-type Multimeter Operation Manual](#)

This manual provides detailed instructions for operating the KAIWEETS ST120 Smart Pen-type Multimeter, including safety precautions, product overview, measurement functions, technical specifications, and maintenance procedures.



**User Manual
Stud Finder KES01M**



Contact us: support@kaiweets.com

[KAIWEETS KES01M Stud Finder User Manual](#)

User manual for the KAIWEETS KES01M Stud Finder, detailing its modes for detecting studs, metal, and AC wires, along with operation, calibration, and safety instructions.