

PeakTech P1072

PeakTech P1072 True RMS Smart Digital Multimeter User Manual

Model: P1072

INTRODUCTION

The PeakTech P1072 is a compact, smart True RMS digital multimeter designed for accurate electrical measurements. It features automatic function recognition (Auto-Scan) and auto-ranging, simplifying operation for various tasks. This device is suitable for students, technicians, and DIY enthusiasts, offering a wide range of measurement functions including voltage, resistance, continuity, diode test, and temperature.

SAFETY INFORMATION

Always observe standard safety precautions when using electrical testing equipment. This multimeter is rated for **CAT III 600 V**, indicating its suitability for measurements in building installations. Ensure the device and test leads are in good condition before use. Do not attempt to measure voltages exceeding the specified limits.

- Do not use the device if it appears damaged.
- Ensure correct connection of test leads for each measurement.
- Avoid contact with live circuits.
- Replace batteries promptly when the low battery indicator appears.

PACKAGE CONTENTS

Verify that all items are present in the package:

- PeakTech P1072 Digital Multimeter
- Test Leads (Red and Black)
- Temperature Sensor
- AAA Batteries (2x)
- Instruction Manual



Image: The PeakTech P1072 multimeter shown with its included test leads, temperature sensor, and two AAA batteries.

PRODUCT OVERVIEW

Familiarize yourself with the components of your PeakTech P1072 multimeter:



Image: A detailed diagram highlighting the LCD display, function buttons, input jacks, NCV sensor, and LED light on the PeakTech P1072 multimeter.

- **LCD Display:** 4000 count display with blue backlight for clear readings. Changes to red for NCV or Live Test detection.
- **O/FUNC Button:** Power On/Off and function selection in certain modes.
- **HOLD/* Button:** Freezes the current reading on the display. Also activates the backlight/LED flashlight.
- **Input Jacks:**
 - **COM (Common):** For black test lead.
 - **VΩHzLIVE:** For red test lead for voltage, resistance, frequency, Live Test, diode, continuity, and temperature measurements.
- **NCV Sensor:** Located at the top for non-contact voltage detection.
- **LED Light:** Integrated flashlight on the back for illuminating dark work areas.
- **Kickstand:** Foldable stand on the back for hands-free operation.

SETUP

1. Battery Installation

The multimeter requires two AAA batteries. To install or replace them:

1. Ensure the multimeter is turned off and test leads are disconnected.
2. Locate the battery compartment on the back of the device.
3. Open the battery cover using a screwdriver if necessary.
4. Insert two AAA batteries, observing the correct polarity (+/-).
5. Close the battery cover securely.

2. Connecting Test Leads

Connect the test leads as follows for most measurements:

- Insert the black test lead into the **COM** jack.
- Insert the red test lead into the **VΩHzLIVE** jack.

OPERATING INSTRUCTIONS

Power On/Off

Press the **O/FUNC** button to turn the multimeter on. Press and hold the **O/FUNC** button for approximately 5 seconds to turn it off.

Auto-Scan and Auto-Range Function

The P1072 features an intelligent **AUTO-SCAN** function. When powered on, the device automatically detects the type of measurement (AC/DC voltage, resistance, continuity) based on the connected circuit. The **AUTO-RANGE** function automatically selects the appropriate measurement range for optimal accuracy.

Präzision und Vielseitigkeit – überall einsetzbar!

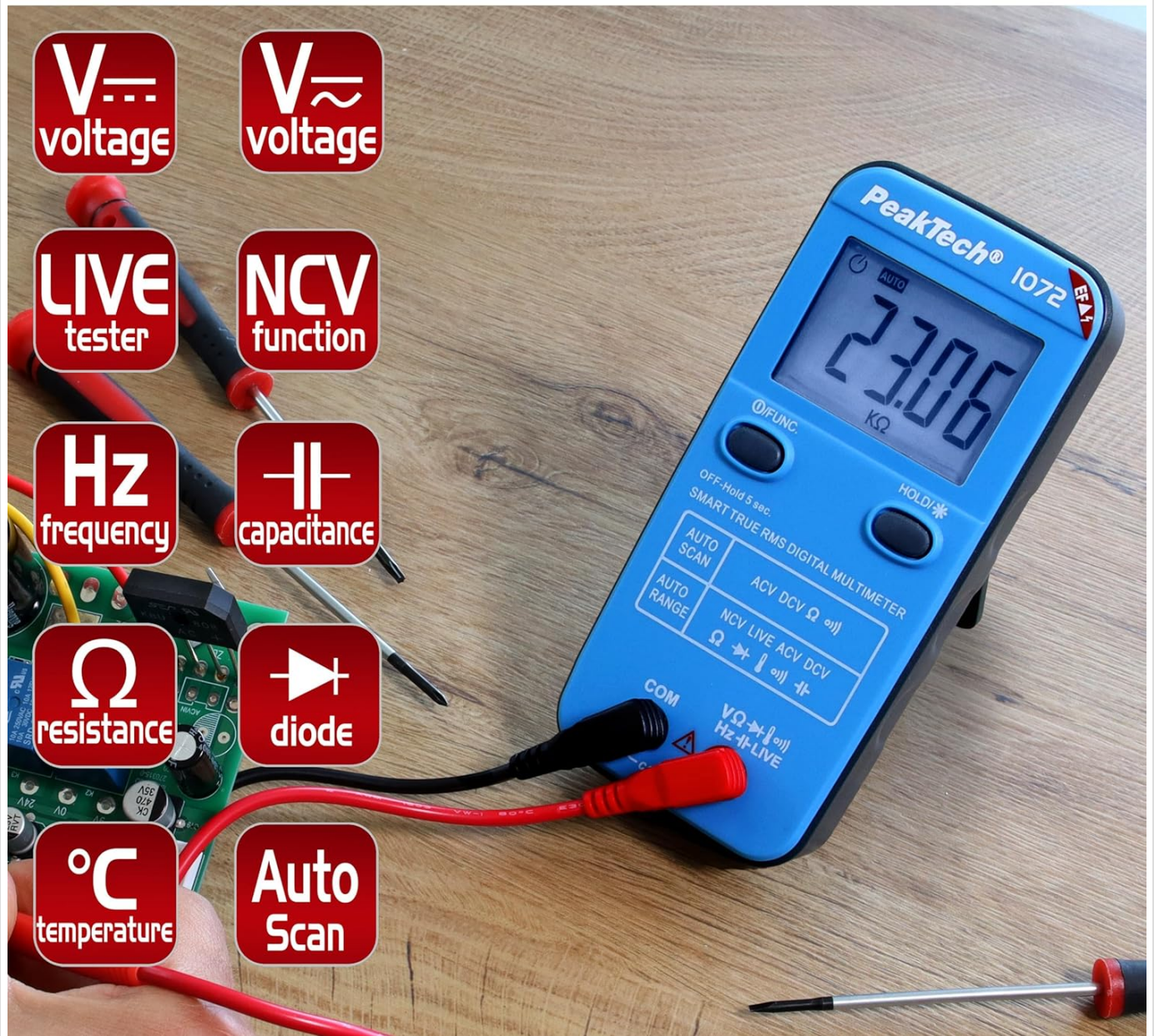


Image: The PeakTech P1072 multimeter in use, demonstrating its ability to measure voltage, resistance, frequency, capacitance, diode, and temperature.

Measurement Functions

- **Voltage Measurement (ACV/DCV):**

Connect the test leads to the circuit in parallel. The multimeter will automatically detect AC or DC voltage. Max input: 600V AC/DC.

- **Resistance Measurement (Ω):**

Ensure the circuit is de-energized. Connect the test leads across the component to measure resistance.

- **Continuity Test ()))**:

For checking circuit continuity. If resistance is below a certain threshold, an audible beep will sound.

- **Diode Test ($\rightarrow|$):**

Connect the test leads across the diode. The display will show the forward voltage drop.

- **Temperature Measurement ($^{\circ}\text{C}$):**

Connect the included temperature sensor to the V Ω HzLIVE and COM jacks. The display will show the temperature

reading.

- **Capacitance Measurement (F):**

Ensure the capacitor is discharged before testing. Connect the test leads across the capacitor terminals.

- **Frequency Measurement (Hz):**

Connect the test leads to the signal source. The multimeter will display the frequency.

- **NCV (Non-Contact Voltage) Detection:**

Hold the top part of the multimeter near a live AC voltage source. The display backlight will turn red, and an audible alarm will sound if voltage is detected.

- **LIVE Test:**

Insert the red test lead into the VΩHzLIVE jack and touch the probe to a live conductor. The display backlight will turn red, indicating a live phase. The black lead is not used for this test.

HOLD Function and Backlight/LED

Press the **HOLD**/* button briefly to freeze the current reading on the display. Press it again to release. Press and hold the **HOLD**/* button to activate the display backlight and the integrated LED flashlight. Press and hold again to turn them off.

MAINTENANCE

Battery Replacement

When the low battery indicator appears on the display, replace the batteries as described in the "Setup" section to ensure accurate measurements.

Cleaning

Wipe the device with a damp cloth and a mild detergent. Do not use abrasives or solvents. Ensure the device is completely dry before use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display when powered on	Dead or incorrectly installed batteries	Replace batteries, check polarity
Inaccurate readings	Low battery, incorrect function, damaged leads	Replace batteries, ensure correct function, check/replace leads
"OL" or "OVER" on display	Measurement range exceeded	The auto-range function should handle this; if not, the value is too high for the device.
NCV/LIVE test not working	No voltage present, device malfunction	Test on a known live circuit. If still not working, contact support.

SPECIFICATIONS

Feature	Detail
Display	4000 Count LCD with blue backlight
Voltage (AC/DC)	Up to 600 V

Feature	Detail
Resistance	Yes
Continuity	Yes (with audible alarm)
Diode Test	Yes
Temperature	Yes (up to 1200 °C)
Capacitance	Yes
Frequency	Yes
NCV (Non-Contact Voltage)	Yes
LIVE Test	Yes
Safety Rating	CAT III 600 V, EN 61010-1
Power Source	2x AAA Batteries (included)
Dimensions (L x W x H)	12.5 x 6 x 2.5 cm
Weight	250 g

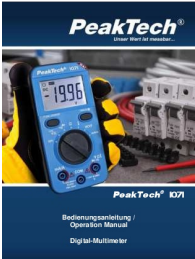



WARRANTY AND SUPPORT

The PeakTech P1072 Digital Multimeter comes with a**3-year manufacturer's warranty**. For technical support, service, or warranty claims, please contact your retailer or PeakTech customer service. Refer to the official PeakTech website for contact information and further resources.

For more information, visit the[PeakTech Brand Store](#).

Related Documents - P1072

	<p>PeakTech 1072/1073 Smart Digital Multimeter Operation Manual</p> <p>Comprehensive operation manual for the PeakTech 1072 and 1073 smart digital multimeters, detailing features, safety instructions, and usage guidelines.</p>
	<p>PeakTech 1072/1073 Smart Digital-Multimeter Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die PeakTech 1072 und 1073 Smart Digital-Multimeter. Erfahren Sie mehr über Funktionen, Sicherheitshinweise, Messmodi und technische Spezifikationen für präzise elektrische Messungen.</p>

	<p>PeakTech 1071 Digitalmultimeter: Bedienungsanleitung & Sicherheitshinweise</p> <p>Umfassende Bedienungsanleitung für das PeakTech 1071 Digitalmultimeter. Enthält detaillierte Informationen zu Funktionen, Sicherheit, Messmodi und technischen Spezifikationen für den sicheren und effektiven Einsatz.</p>
	<p>PeakTech 3432 Fuse Finder and RCD Tester - User Manual</p> <p>Comprehensive user manual for the PeakTech 3432 Fuse Finder and RCD Tester, detailing safety precautions, operation, controls, specifications, and battery handling. Includes non-contact voltage testing and RCD testing functions.</p>
	<p>PeakTech 3441/3442 Digital Multimeter Operation Manual</p> <p>Comprehensive operation manual for PeakTech 3441 and 3442 digital multimeters. Details safety, operation, features like True RMS and Bluetooth (3442), and technical specifications.</p>
	<p>PeakTech 3432 Fuse Finder User Manual</p> <p>User manual for the PeakTech 3432 Fuse Finder, a device for locating fuses in electrical circuits. Includes safety instructions, operating principles, and technical specifications.</p>