

**PeakTech®**  
**1072-1073 Smart**  
**Digital Multimeter**



# PeakTech 1072-1073 Smart Digital Multimeter Instruction Manual

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**PeakTech®**

**PeakTech 1072-1073 Smart Digital Multimeter**



### Product Information:

The Smart Digital Multimeter offers a variety of measurement functions, including:

Function	PeakTech 1072	PeakTech 1073
Wechselspannung (ACV)	SMART	SMART
Gleichspannung (DCV)	SMART	SMART

### Product Usage Instructions

#### Preparation for Measurement Operation:

Before measuring, discharge any existing capacitors in the circuit to be measured.

#### Gleichspannungsmessung (V DC):

1. Turn off the circuit.
2. Discharge all high-voltage capacitors.

#### Wechselspannungsmessung (V AC):

1. Connect the black and red test lead plugs to the COM and V terminals.
2. Read the displayed value.

### Safety

#### Precautions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2014/35/EU (low voltage), 2011/65/EU (RoHS). Overvoltage

category III 600V; pollution degree 2.

- **CAT I:** For signal level, telecommunication, electronic with small transient over voltage
- **CAT II:** For local level, appliances, main wall outlets, portable equipment
- **CAT III:** Supplied from a cable under earth; fixed installed switches, automatic cut-off or main plugs
- **CAT IV:** Units and installations, which are supplied overhead lines, which are stand in a risk of persuade of a lightning, i.e. main-switches on current input, overvoltage-diverter, current use counter.

To ensure safe operation of the equipment and eliminate the danger of serious injury due to short-circuits (arcing), the following safety precautions must be observed. Damages resulting from failure to observe these safety precautions are exempt from any legal claims whatever.

#### **General:**

- Read these operating instructions carefully and make them available to subsequent users.
- It is essential to observe the warning notices on the device, do not cover or remove them.
- Pay attention to the use of the multimeter and only use it in the suitable overvoltage category.
- Familiarize yourself with the functions of the measuring device and its accessories before you carry out the first measurement.
- Do not operate the measuring device unsupervised or only protect against unauthorized access.
- Use the multimeter only for the purpose of its determination and pay particular attention to warning notices on the device and information on the maximum input values.

#### **Electric safety:**

- Voltages over 25 VAC or 60 VDC are generally considered dangerous voltages.
- Only work on dangerous voltages by or under the supervision of qualified personnel.
- When working on dangerous voltages, wear suitable protective equipment and observe the relevant safety rules.
- Do not exceed the maximum permissible input values under any circumstances (risk of serious injury and / or destruction of the device)
- Pay special attention to the correct connection of the test leads depending on the measuring function in order to avoid a short circuit in the device. Never apply a voltage in parallel to the current sockets (A, mA,  $\mu$ A).
- Current measurements are always carried out in series with the consumer, i.e. with the supply line disconnected.
- Remove the test probes from the measurement object before changing the measuring function.
- Never touch the bare test probes during the measurement, only hold the test leads by the handle behind the finger guard. If applicable, discharge any capacitors before measuring the circuit to be measured.
- The thermocouple for temperature measurements is made of conductive material. To avoid electric shock, never connect it with a live conductor.

#### **Measurement environment:**

- Avoid any proximity to explosive and flammable substances, gases and dust. An electric spark could lead to an explosion or deflagration – danger to life!

- Do not carry out measurements in corrosive environments, the device could be damaged or contact points inside and outside the device could corrode.
- Avoid working in environments with high interference frequencies, high-energy circuits or strong magnetic fields, as these can negatively affect the multimeter.
- Avoid storage and use in extremely cold, humid or hot environments, as well as long-term exposure to direct sunlight. Only use devices in damp or dusty environments in accordance with their IP protection class.
- If no IP protection class is specified, only use the device in dust-free and dry indoor rooms only.
- When working in damp or outside areas, pay particular attention to completely dry handles on the test leads and test probes. Before starting the measuring operation, the device should be stabilized at the ambient temperature (important when transporting from cold to warm rooms and vice versa)

### **Maintenance and Care:**

- Never use the device if it is not completely closed.
- Before each use, check the device and its accessories for damage to the insulation, cracks, kinks and breaks. If in doubt, do not take any measurements.
- Change the battery when a battery symbol is displayed to avoid incorrect rdg.s.
- Switch off the multimeter before changing batteries or fuses and also remove all test leads and temperature probes.
- Replace defective fuses only with a fuse that corresponds to the original value. Never short-circuit a fuse or fuse holder. Charge the battery or change the battery as soon as the battery symbol lights up. Insufficient battery power can lead to inaccurate measurement results. Electric shocks and physical damage can result.
- If you are not going to use the device for a longer period of time, remove the battery from the compartment.
- Have maintenance and repair work on the multimeter carried out only by qualified specialists.
- Do not lay the device upside down on the workbench or work surface to avoid damaging the control elements.
- Clean the housing regularly with a damp cloth and a mild cleaning agent. Do not use any caustic abrasives.
- Do not make any technical changes to the device.

### **Introduction**

Our smart PeakTech 1072 and 1073 multimeters dispense with the conventional rotary selector switch and offer maximum ease of use. The multimeter automatically selects the measurement functions for ACV, DCV, resistance or continuity, so it is no longer necessary to set the measurement function. Diode test, temperature, frequency or capacitance can be activated manually via function keys. The extended model 1073 also enables the measurement of alternating or direct current up to 10A. ACA and ACV are measured as TrueRMS values. Ideal for electronics, electrical engineering and DIY projects, this multimeter combines precision and ease of use at an affordable price.











### **The models offer a variety of measuring functions:**

Function:	PeakTech 1072	PeakTech 1073
AC Voltage	√(SMART)	√(SMART)
DC Voltage	√(SMART)	√(SMART)
AC Current	×	√(SMART)
DC current	×	√(SMART)
Resistance	√(SMART)	√(SMART)
Contiuity	√(SMART)	√(SMART)
Temperature	√	√
Capacitance	√	√
Frequency	√	√
Diode	√	√
Live test	√	√
NCV test	√	√

## Input Limits

Function	Overload protection
DCV / ACV	600V DC/AC
DCA / ACA (μA/mA) DCA / ACA (10 A)	10A / 600V 10A / 600V
Resistance	600V DC/AC
Diode / continuity	600V DC/AC
Frequency	600V DC/AC
Temperature	600V DC/AC

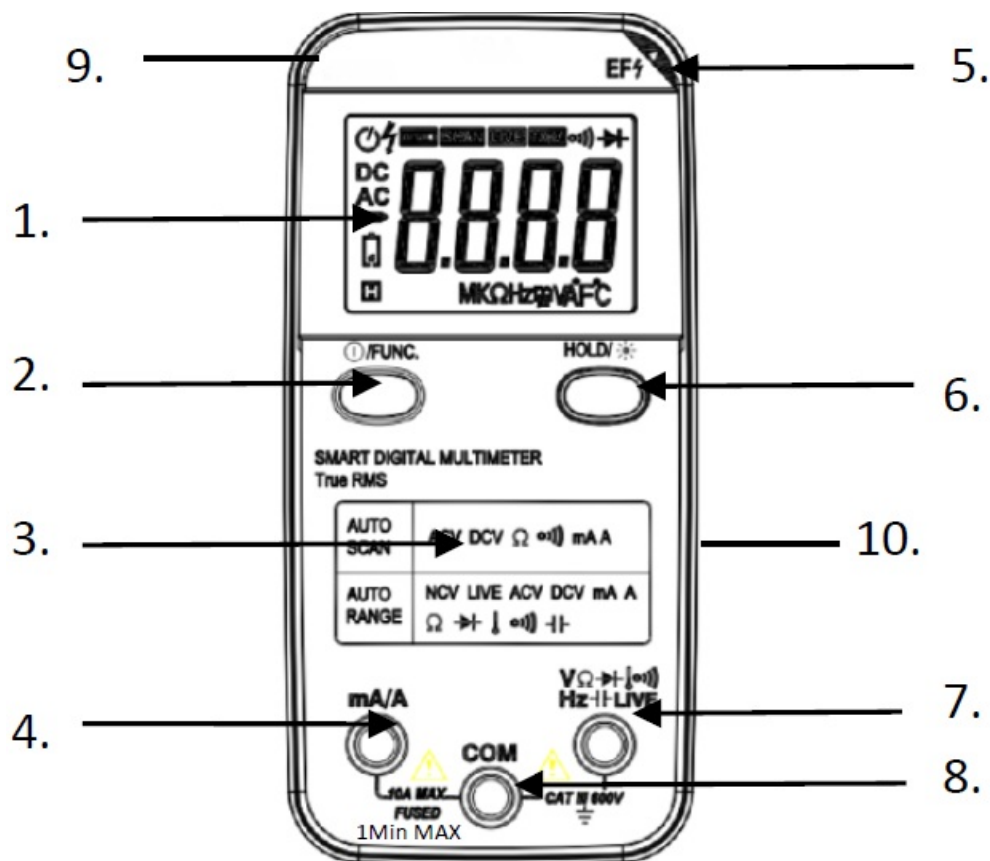
## Safety Symbols

	Attention! Read the relevant section(s) in the operating instructions. Failure to do so may result in injury and/or damage to the appliance.
	For safety reasons, do not exceed the maximum permissible voltage difference of 600 V DC/ACeff between COM/ V/ or Ohm input and earth.
	Dangerously high voltage between the inputs. Take extreme care when measuring. Do not touch inputs and measuring tips. Observe the safety instructions in the user manual!
	Alternating voltage – current (AC)
	Direct voltage – current (DC)
	AC or DC
	Earth
	Double insulated
	Fuse
	Complies with the directives of the European Union

### Attention!

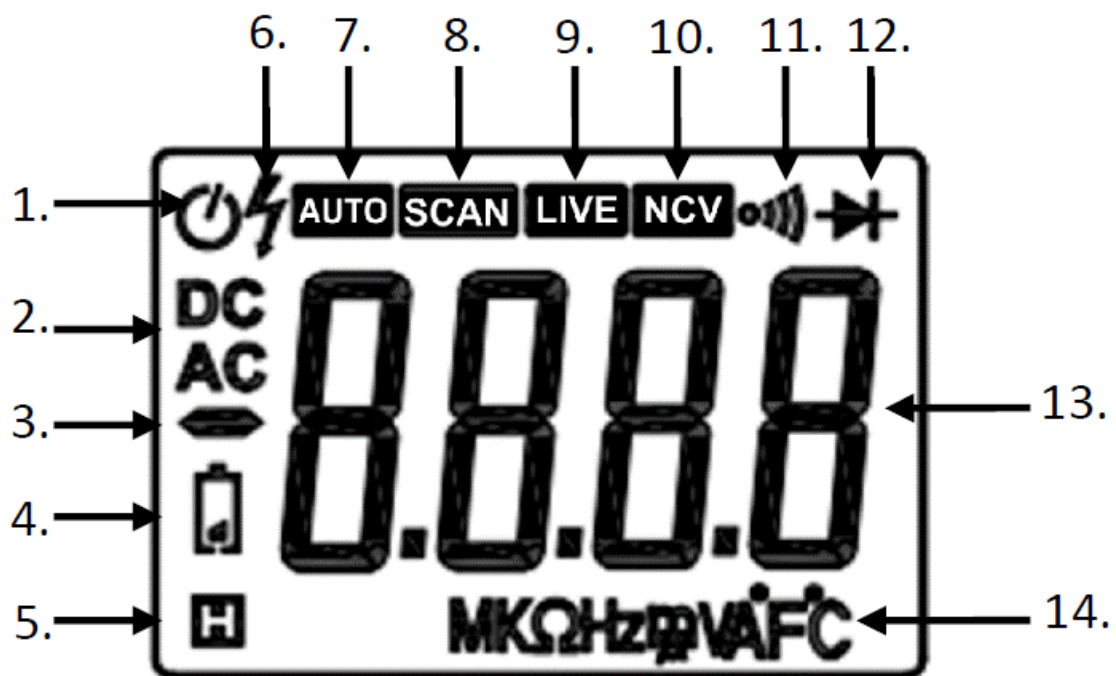
Possible source of danger. Always observe the safety instructions. Failure to do so may result in injury or death and/or damage to the appliance.

### The buttons and connectors of the device



1.	LCD display: 4000 counts LCD with illumination
2.	Func./ Range button: Measuring range and function selection
3.	Rotary selector switch: Setting the measuring function
4.	P 1073: mA/A socket: Connection socket (red) for current measurement
5.	EF (Electric Field): Sensor for NCV voltage detector
6.	Hold/Light button: Hold measurement and illumination
7.	Main socket: Connection socket (red) for V, Ohm, Temp, Cap
8.	COM socket: Connection socket (black) for all functions
9.	LED (rear): LED light for measuring station illumination
10.	Stand (rear): Fold-out stand and battery compartment cover with screw








## Display symbols



1.	Auto power-off symbol
2.	AC or DC display for alternating or direct current
3.	Minus symbol for negative measured values
4.	Battery status display
5.	H symbol for measured value hold function (Hold)
6.	Warning symbol for dangerous applied voltages
7.	AUTO symbol for automatic measuring range selection
8.	SCAN symbol – automatic measuring function active
9.	LIVE symbol for single-pole phase test function
10.	NCV symbol for non-contact voltage test
11.	Audio symbol for continuity test function
12.	Diode symbol for diode test function
13.	Measured value display 4000 digits (0 – 3999)
14.	Measuring unit according to the selected measuring function

## Symbols and units



Symbol	Description of the
V	Volt (voltage)
A	Ampere (current)
	Alternating current
	Direct current
–	Minus symbol (polarity)
$\Omega$	Ohm (resistance)
	Continuity tester
	Diode test
$\mu$	micro (10 ) <sup>-6</sup>
m	milli (10 ) <sup>-3</sup>
k	kilo (10 ) <sup>3</sup>
M	mega (10 ) <sup>6</sup>
<b>OL</b>	Overload (overrange indicator)
°F	Degrees Fahrenheit (temperature)
°C	Degrees Celsius (temperature)
AUTO	Auto measuring range
	Auto power off (automatic switch-off active)
	Battery warning symbol
	Data hold (measured value is held)
NCV	Non-contact voltage detector active
LIVE	Live test phase check active

## Instructions for starting the device

### Attention!

Take measurements on circuits with high voltages (AC and DC) with extreme caution and only in accordance with the relevant safety regulations. Always switch off the device when you have finished measuring. The measuring device has an internal automatic switch-off function which automatically switches the device off for approx. 30 minutes. When the OL overflow symbol lights up, the measured value exceeds the selected input range. When switching to a higher measuring range, the display goes out automatically.

### Preparation for measurement operation

1. Check the supply voltage of the batteries before measuring. If it is too low, the battery symbol appears at the

bottom left and the batteries (2×1.5V AAA) must be replaced.

2. The warning triangle next to the input sockets is intended to warn you that the voltage or current must not exceed the specified value in order to protect the internal circuitry.
3. The measurement function is selected automatically in SMART mode. If selected manually, you should switch to the desired measuring range before starting the measurement.
4. If the test leads are plugged into the mA/A socket, the device automatically switches to current mode. For voltage measurements, plug the test leads into the V socket.

## Features

### Explanation of the function keys

- **FUNC.:** Press the button briefly to switch between the various measurement functions. Press and hold the button to switch to the additional test functions Live test or NCV voltage tester.
- **HOLD:** If you press the Hold button, the displayed measured value is frozen in the display by briefly pressing it. If you briefly press HOLD again, this function is deactivated again.

Pressing the HOLD button for approx. 2 seconds switches the display backlight and the light on the back on or off

### Deactivate automatic switch-off:


Press and hold the HOLD button when switching on the multimeter to deactivate the automatic switch-off function (APO – Auto Power Off). The symbol for the automatic switch-off function is no longer displayed and only appears again the next time the multimeter is switched on.

### SCAN (SMART) measurement mode




The automatic measuring mode (SCAN) is always activated when the device is switched on. This mode selects the measuring function itself depending on the circuit applied.

1. When the LCD display shows the SCAN symbol, you can start an automatic measurement.
2. Connect the black and red test leads to the COM and V terminals (when measuring current, the red test lead must be connected to the mA/A terminal).
3. Connect the measurement cables to the measurement object.
4. The device will select the function itself depending on the measured object. This applies to AC or DC voltage / resistance / continuity or AC / DC current measurement
5. The diode test / temperature measurement and capacitance measurement functions must be selected manually using the FUNC. button.
6. If you do not want to use the automatic measurement function selection, use the FUNC. button to change the measuring function manually.

### AUTO-SCAN (SMART) functions:

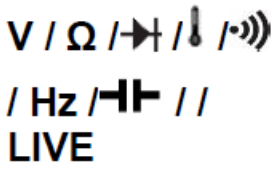
V~	Voltage measurement function AC / DC
	Continuity tester
$\Omega$	Resistance measurement function
mA / A	AC/DC current measurement function – P 1073 only

#### Manual functions (FUNC.):

	Capacitance measurement function
	Temperature measurement function in °C or °F
Hz	Frequency measurement function
NCV 	Non-contact voltage detector (NCV)
LIVE	LIVE test function (phase tester)

#### Using the input sockets

Always ensure that you select the correct connection sockets for the required measuring function.

mA/A	Input up to 10A current (max. for 1 minute on, 15 minutes off)
COM	Ground connection for all measurements
	Input for voltage, resistance, diode test, temperature measurement, continuity tester, frequency measurement and live measurement

**Note:** If a test lead is connected to the mA/A current socket, the device automatically switches to the current measurement function. Plug the test lead into a socket corresponding to the selected measuring function in order to use it.

#### Measurement mode

##### Direct voltage measurement (V DC)

1. In AUTO-SCAN mode, the correct measurement function is selected when connecting to the measurement object.
2. Alternatively, press the FUNC button to select the DCV measurement mode.
3. Connect the black and red test lead plugs to the COM and V terminals.
4. Connect the test leads to the circuit to be measured.
5. Read the displayed value. The polarity of the connection of the red test lead is displayed during a DCV measurement.

6. If the measured values are negative, a minus symbol (-) appears to the left of the measured value.

### **AC voltage measurement (V AC)**

**Caution!** When measuring voltage, always ensure that the test probes are in full contact with the voltage source. Remove the test leads before switching to another measuring function.

**To measure AC voltages, proceed as described:**

1. In AUTO-SCAN mode, the correct measurement function is selected when connecting to the measurement object.
2. Alternatively, press the FUNC button to select the ACV measurement mode.
3. Connect the black and red test lead plugs to the COM and V terminals.
4. Connect the test leads to the circuit to be measured.
5. Read the displayed value.

### **Direct current measurement (A DC)**

Only available for model P 1073. Proceed as described for measurement:

1. Switch off the circuit. Discharge all high-voltage capacitors.
2. Disconnect the circuit to be tested.
3. Connect the black probe to the negative side of the interruption; connect the red probe to the positive side of the interruption. (Swapping the leads will result in a negative reading, but will not damage the meter). The device automatically switches to current measurement.
4. In AUTO-SCAN mode, the correct measurement function is selected when connecting to the measurement object.
5. Alternatively, press the FUNC. button to select the DCA measurement mode.
6. Switch on the circuit; then read the display.
7. Switch off the circuit and discharge all high-voltage capacitors. Remove the measuring device and switch the circuit back to normal operation.

**Note:** The device automatically switches to the current measurement function when the test lead is plugged into the mA/A socket. If the current measurement does not display a value, check the device fuse.

### **Alternating current measurement (A AC)**

Only available for model P 1073. Proceed as described for measurement:

1. Switch off the circuit. Discharge all high-voltage capacitors.
2. Disconnect the circuit to be tested.
3. Connect the black probe to the negative side of the interruption; connect the red probe to the positive side of the interruption. (Swapping the leads will result in a negative reading, but will not damage the meter). The device automatically switches to current measurement.
4. In AUTO-SCAN mode, the correct measurement function is selected when connecting to the measurement object.
5. Alternatively, press the FUNC. button to select the ACA measurement mode.
6. Switch on the circuit; then read the display.
7. Switch off the circuit and discharge all high-voltage capacitors. Remove the measuring device and switch the

circuit back to normal operation.

**Note:** The device automatically switches to the current measurement function when the test lead is plugged into the mA/A socket. If the current measurement does not display a value, check the device fuse.


### Resistance measurement

**Attention!** Only perform resistance, continuity or diode test measurements on de-energised circuits or components and disconnect the mains plug from the socket. Discharge any capacitors in the circuit before taking measurements.

1. In AUTO-SCAN mode, the correct measurement function is selected when connecting to the measurement object.
2. Alternatively, use the FUNC. button to switch to resistance measurement.
3. Connect the black and red plugs of the test leads to the COM and V terminals.
4. Connect the test leads to the resistance to be measured and read off the displayed value. Do not apply a voltage source in this measuring function! If a voltage source is applied, the device switches to voltage measurement.


**Note:** Please note that the resistance of the connected test leads (0.1 to 0.2 Ohm) is also measured. Ensure that the test probes are well connected to the test object.

### Continuity test

1. In AUTO-SCAN mode, the correct measurement function is selected when connecting to the measurement object.
2. Alternatively, use the FUNC. button to switch to the area .
3. Connect the black and red test lead plugs to the COM and V terminals.
4. Connect the probe to the test object using the test leads.
5. If the resistance is below 50Ω, this is indicated by a continuous acoustic signal and the display lights up red.

Do not apply a voltage source in this measuring function! If a voltage source is applied, the device switches to voltage measurement.

### Diode test


1. Press the FUNC. button several times to select the measurement function .
2. Connect the black and red test lead plugs to the COM and V terminals.
3. To measure the forward voltage on a semiconductor component, connect the red test lead to the anode of the component and the black test lead to the cathode of the component.
4. The measuring device displays the approximate forward voltage of the diode.

Do not apply a voltage source in this measuring function! If a voltage source is applied, the device switches to voltage measurement.

### Frequency measurement

1. Press the FUNC. button several times to select the Hz measurement function.
2. Connect the black and red test lead plugs to the COM and V terminals.
3. Connect the measurement cables to the measurement object.
4. Read the displayed value.

### **Temperature measurement**

1. Press the FUNC. button several times to select the measurement function 
2. Connect the type K thermocouple sensor to the COM and V terminals.
3. If necessary, use the FUNC. button to switch between °C and °F.
4. Connect the thermocouple to the measurement object and wait until the measurement display stabilises.
5. Read the displayed value.

Do not apply a voltage source in this measuring function! If a voltage source is applied, the device switches to voltage measurement.

### **Capacitance measurement**

1. Discharge all high-voltage capacitors before the measurement. Do not enter a voltage source in this mode.
2. Press the FUNC. button several times to select the measuring function for capacity
3. Connect the black and red test lead plugs to the COM and V terminals.
4. Connect the measurement cables to the measurement object.
5. Read the displayed value.

Do not apply a voltage source in this measuring function! If a voltage source is applied, the device switches to voltage measurement.

### **Live test/phase tester**

The Live Test is a single-pole phase test function for AC voltages and helps you to find the phase side in a socket outlet, for example.

1. Always hold the measuring device in your hand during the test.
2. Press the FUNC. button for approx. 3 seconds to activate the alternative test modes NCV & LIVE.
3. Press the FUNC. button briefly to select the LIVE measurement function.
4. LIVE is shown in the display.
5. Only connect the red test lead to the circuit to be measured.
6. "H" is displayed, an acoustic signal sounds and the display lights up red when the red test lead is connected to the phase of the live conductor.
7. If the test probe is connected to the neutral conductor or earth, no signal sounds and no display symbols or red lighting appear.
8. Remove the test probe from the test object again.

### **NCV test / non-contact voltage tester**


The NCV test is suitable for checking in advance whether AC voltage is present on an insulated cable before the insulation is removed or terminals are disconnected. However, before working on the cable with the voltage

measurement function, make sure that no dangerous AC or DC voltage is present.


1. Press the FUNC. button for approx. 3 seconds to activate the alternative test modes NCV & LIVE.
2. Press the FUNC. button briefly to select the NCV measuring function
3. EF is shown in the display.
4. Bring the top right-hand corner of the device (red NCV mark) close to the test cable/socket.
5. A maximum of 4 bars are displayed. The stronger the electromagnetic field, the more bars are displayed. In addition, the warning indicator lights up red and an acoustic warning signal sounds.

## General device functions

### 1. Auto power-off function

The " " symbol indicates that the function is activated. The meter goes into "sleep mode" and switches off the display if no button is pressed for 30 minutes.


### 2. Deactivate:

With the device switched off, press and hold the HOLD button and switch the meter on, then release the HOLD button to deactivate the AUTO POWER OFF function. The " " symbol disappears.

### 3. Automatic current function selection

When the measuring lead is plugged into the mA/A terminal, the device automatically switches to the current measurement function.


### 4. Dangerous voltage display

If a dangerous voltage of >36V is applied to the device, a Flash symbol  is displayed. Never touch non-insulated electrical conductors of this circuit to avoid serious injury.

## Maintenance of the device

### Replacing the battery



If the " " symbol appears on the LCD display, this means that the battery needs to be replaced.

1. switch off the meter and remove all test leads from the input test leads from the input sockets.
2. remove the battery compartment screw on the back to open the battery compartment.
3. Replace the 2 x 1.5V AAA batteries with new ones of the same type & design.
4. close the battery compartment again and fasten the screw before switching on again

### Replacing the fuse

If no measured value is displayed during a current measurement, a defective appliance fuse may be the cause. You can check the fuse using the continuity test function of the multimeter. Open the housing and replace the blown fuse with one of the same rating: F 10A /600V 6Ø× 30mm (Fast acting)

### Warning!

Before attempting to open the housing, make sure that the test leads have been disconnected from the measuring circuits. Close the housing and fully tighten the screws before using the meter to avoid the risk of electric shock.

### Information on the battery law

Many devices are supplied with batteries that are used to operate remote controls, for example. Batteries or

rechargeable batteries may also be permanently installed in the devices themselves. In connection with the sale of these batteries or rechargeable batteries,

**We, as the importer, are obliged under the Battery Act to inform our customers of the following:**

- Please dispose of used batteries as prescribed by law – disposal in household waste is expressly prohibited under the Battery Act – at a municipal collection point or hand them in at your local retailer free of charge. Batteries received from us can be returned to us free of charge after use at the address given on the last page or sent back to us by post with sufficient postage.
- Batteries containing harmful substances are labelled with a symbol consisting of a crossed-out dustbin and the chemical symbol (Cd, Hg or Pb) of the heavy metal that is decisive for the classification as containing harmful substances:
  - “Cd” stands for cadmium.
  - “Hg” stands for mercury.
  - “Pb” stands for lead.



## Technical data

## General data



Insulation	Class 2, double insulated
Overvoltage category	CAT III 600V
Degree of soiling	2
Max. Height above sea level	2000m
Operating temperature	0~40°C (32°F~104°F)
Storage temperature	-10~60 °C (14°F~140°F)
Fuse	F 10A /600V 6Æ x30mm (Fast acting)
Measuring rate	3 times/sec. for digital data.
Display	3999 LCD display
Area selection	Automatic
Measuring range exceeded	OL" display
Battery status display	YES
Polarity indicator	"-" is displayed automatically
ACA / ACV measurement	True RMS
Voltage warning	>36V is displayed.
Auto-Power-Off	Switch off after approx. 30 min
Backlight	white (normal), red (alarm)
Battery type	2 x 1.5V AAA
Dimensions	130(L)´ 63(W)´ 35(H) mm
Weight	approx. 110g incl. battery

### Specifications: Voltage

Function	Range	Resolutio n	Accuracy
DC voltage <b>V</b>	4.000V	1mV	±(0.5% v.m. +3 dgt.)
	40.00V	10mV	
	400.0V	100mV	
	600V	1V	
AC voltage <sup>1,2</sup> <b>V~</b>	4.000V	1mV	±(1.0% v.m. + 6 dgt.)
	40.00V	10mV	±(1.0% v.m. + 3 dgt.)
	400.0V	100mV	
	600V	1V	

1. True RMS frequency range: 40Hz~1kHz
2. minimum AC measurement: 5% of the lowest range;

3. overload protection: 600 V DC or 600 V ACrms

### Non-contact voltage detection

Voltage	Frequency	Display
50~1000V	50Hz~400Hz	4 bars/ alarm light/ signal

### LIVE test

Voltage	Frequency	Display
100~600V	50Hz~400Hz	Display "H" / alarm light / signal

### Temperature measurement (thermocouple type K)

Range	Resolution	Accuracy
-200~1200°C	1 °C	±(2% rdg. +3 dgt.)
-328~2192°F	1 °F	±(2% rdg. +6 dgt.)

### Current (Only P 1073)

Function	Range	Resolution	Accuracy
DC mA	4000mA	1mA	±(1% rdg.+3 dgt.)
	10.00A	10mA	±(1.5% rdg.+3 dgt.)
AC mA ~	4000mA	1mA	±(1.5% rdg.+3 dgt.)
	10.00A	10mA	±(2% rdg.+3 dgt.)

Overload protection:

Maximum input 10A DC or AC rms. F 10A/600V fuse. Overload indicator (OL and displayed. 

>1A for 1 minute under load and then 10 minutes without load.


Make sure that the A terminal socket is properly connected.

**True RMS:** ACA measurements are carried out as True RMS measurements in the frequency range of 40Hz~1k Hz

### Resistance

Function	Range	Resolution	Accuracy
Resistance $\Omega$	400.0W	0.1W	$\pm(0.5\% \text{ rdg.} + 3 \text{ dgt.})$
	4.000kW	1W	$\pm(0.5\% \text{ rdg.} + 2 \text{ dgt.})$
	40.00kW	10W	
	400.0kW	100W	
	4.000MW	1kW	
	40.00MW	10kW	$\pm(1.5\% \text{ rdg.} + 3 \text{ dgt.})$
Overload protection: 600 V DC or 600 V AC rms.			

### Diode test

Function	Range	Resolution	Accuracy
Diode test 	1.000V	0.001V	1.0% Uncertainty
<p>Overload protection: 600 V DC or 600 V AC rms.</p> <p>Test conditions: Forward direct current of approx. 1 mA.</p> <p>Reversed DC voltage approx. 1.5 V</p>			


### Continuity test

Function	Range	Resolution	Description of the
Continuity test	200.0W	0.1W	Through signal donor $\leq$ 50W
Overload protection: 600 V DC or 600 V AC rms. Test conditions: Open circuit voltage: approx. 0.5 V			

### Linear frequency

Range	Resolution	Accuracy
10.00~40.00Hz	0.01 Hz	±(0.5% rdg. +3 dgt.)
40.0~400.0Hz	0.1 Hz	
400~4.000kHz	0.001Hz	
Overload protection: 600 V DC or 600 V AC rms No measurement below 10 Hz possible		

### Capacitance

Function	Range	Resolution	Accuracy
<div>Capacitance</div> <div></div>	4,000nF	1pF	±(5.0% rdg. +30 dgt.)
	40.00nF	10pF	±(3.0% rdg. +5 dgt. )
	400.0nF	0.1nF	
	4.000 mF	1nF	
	40.00 mF	10nF	
	400.0 mF	0.1uF	
	1.000mF	1uF	
Overload protection: 600 V DC or 600 V ACrms (auto range only).			

**Explanation:** “X% rdg. + Y dgt.” = X% of the reading + Y digits

### SCAN (SMART) Measurement Mode Range

Function	Range
DC Voltage	0.700V~600.0V
AC Voltage	0.700V~600.0V
Resistance	50.0Ω~40.00MΩ
Continuity	0.0~50.0Ω
DC Current	1mA~10.00A
AC Current	4mA~10.00A
Please check Accuracy at Above function table	

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- Last status at the time of printing. We reserve the right to make technical changes to the device in the interests of progress.
- We hereby confirm that all devices fulfil the specifications stated in our documents and are supplied calibrated at the factory.
- A repeat calibration after 1 year is recommended for professional use.

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## FAQ

**Q: How do I know when to replace the battery?**

A: Replace the battery when a battery symbol is displayed to avoid incorrect measurement values.

**Q: What should I do if the resistance is below 50?**

A: When the resistance is below 50, a continuous signal tone will be emitted, and the display will light up in red.

## Documents / Resources

 The image shows a PeakTech 1072-1073 Smart Digital Multimeter. It is a blue and yellow handheld device with a digital display showing '5.00'. The device has various buttons and ports. Below the device, there is a small image of the instruction manual cover, which is blue and white with the PeakTech logo and text in German and English.	<p><a href="#">PeakTech 1072-1073 Smart Digital Multimeter</a> [pdf] Instruction Manual 1072, 1073, 1072-1073 Smart Digital Multimeter, 1072-1073, Smart Digital Multimeter, Digital M ultimeter, Multimeter</p>
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## References

- [User Manual](#)

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