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## MULTI-FUNCTION DETECTOR

(GB)

### MULTI-FUNCTION DETECTOR

Operation and Safety Notes

(PL)

### WIELOFUNKCYJNY DETEKTOR

Wskazówki dotyczące obsługi i bezpieczeństwa

(HU)

### MULTIFUNKCIÓS DETEKTOR

Kezelési és biztonsági utalások

(SI)

### MULTIFUNKCIJSKI DETEKTOR

Navodila za upravljanje in varnostna opozorila

(CZ)

### MULTIFUNKČNÍ DETEKTOR

Pokyny pro obsluhu a bezpečnostní pokyny

(SK)

### MULTIFUNKČNÝ DETEKTOR

Pokyny pre obsluhu a bezpečnostné pokyny

(DE) (AT) (CH)

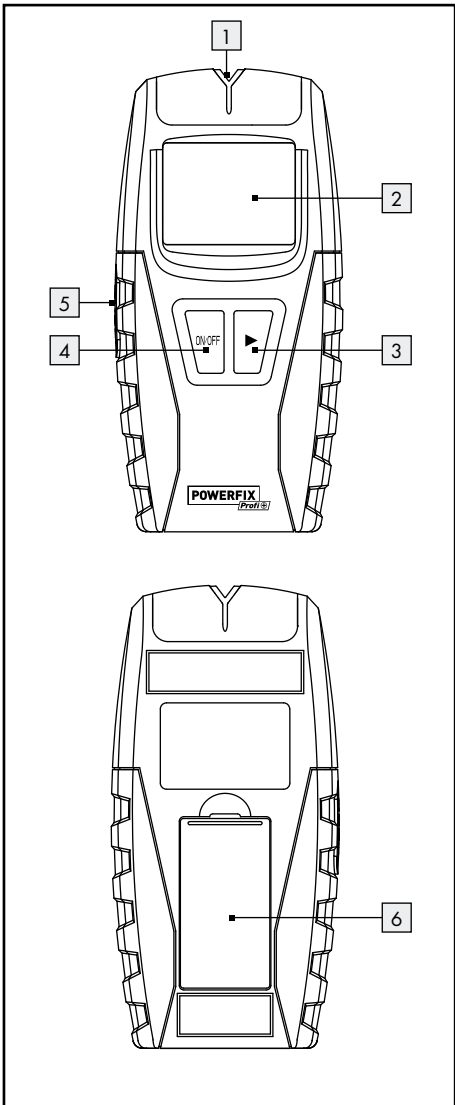
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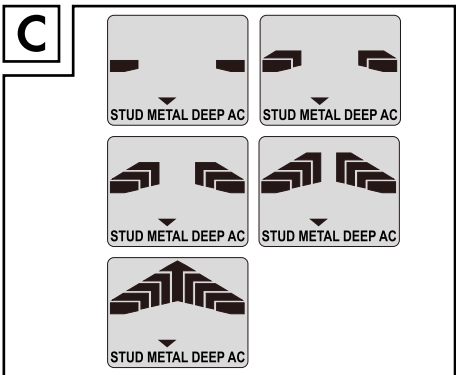
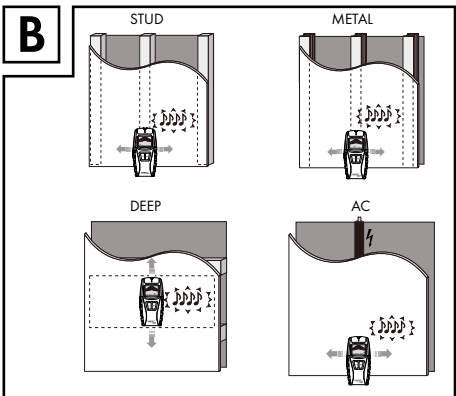
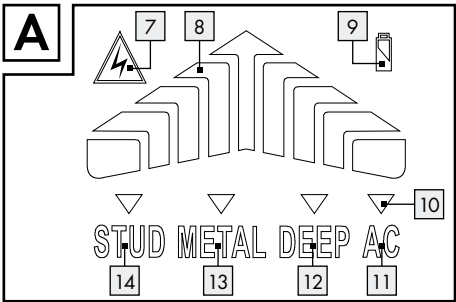
Bedienungs- und Sicherheitshinweise

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GB	Operation and Safety Notes	Page	5
PL	Wskazówki dotyczące obsługi i bezpieczeństwa	Strona	15
HU	Kezelési és biztonsági utalások	Oldal	26
SI	Navodila za upravljanje in varnostna opozorila	Stran	36
CZ	Pokyny pro obsluhu a bezpečnostní pokyny	Strana	47
SK	Pokyny pre obsluhu a bezpečnostné pokyny	Strana	57
DE/AT/CH	Bedienungs- und Sicherheitshinweise	Seite	67








<b>Intended use</b> .....	Page 6
<b>Parts description</b> .....	Page 6
<b>Technical Data</b> .....	Page 6
<b>Scope of delivery</b> .....	Page 7
<b>General safety instructions</b> .....	Page 7
<b>Safety Instructions for Batteries</b> .....	Page 8
<b>Before using</b>	
Inserting / changing the battery .....	Page 9
Switching on and off /	
Automatic shut-down .....	Page 10
<b>Start-up</b> .....	Page 10
<b>Tips on measurement</b> .....	Page 11
<b>Cleaning and Care</b> .....	Page 12
<b>Disposal</b> .....	Page 12
<b>Warranty</b> .....	Page 13

# Multi-Function Detector


## ● Intended use

This multi-purpose detector is designed for locating metal or wooden beams, metal objects, voids and electrical lines. This device is solely intended for private use.

## ● Parts description

- 1 Measuring head
- 2 Display
- 3 Selection button (▶)
- 4 ON/OFF button
- 5 PUSH button („Measure“)
- 6 Battery compartment
- 7 Voltage sign ()
- 8 Intensity display ()
- 9 Battery symbol ()
- 10 Selection arrow (▼)
- 11 AC voltage search (AC)
- 12 Void search (DEEP)
- 13 Metal search (METAL)
- 14 Beam search (STUD)

## ● Technical Data

Operating voltage: 9V , max. 1 mW  
Battery type: 6LR61 (9V block)

### **Detector depths:**

Beam (STUD): max. 19 mm ± 3 mm  
Metal (METAL): max. 30 mm ± 13 mm

Voids (DEEP):	max. 38 mm $\pm$ 5 mm
AC voltage (AC):	max. 50 mm (only with lines which carry 230V~ 50Hz)

## ● **Scope of delivery**

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- 1 Multi-Function Detector
- 1 9V block battery
- 1 Set of operating instructions



## **General safety instructions**

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Before using the product, please familiarise yourself with all of the safety information and instructions for use! When passing this product on to others, please also include all the documents!

- Check the product for damage before use! Never use a damaged product!
- Do not expose the device to moisture! This may damage it.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



## **Safety Instructions for Batteries**

**⚠ WARNING! DANGER TO LIFE!** Batteries are not intended for children. If accidentally swallowed seek immediate medical attention!

-  **CAUTION! EXPLOSION HAZARD!** Never recharge non-rechargeable batteries, do not short-circuit and / or open batteries!
- Never throw batteries into fire or water!
- Do not subject batteries to any mechanical load!

### **Risk of battery leakage**

- In the event of a battery leak, immediately remove it from the device to prevent damage!
- Avoid contact with the skin, eyes and mucous membranes! In the event of contact with battery acid, thoroughly flush the affected area with plenty of clean water and seek immediate medical attention!
- Only use the same type of batteries! Do not mix used and new batteries!
- Avoid extreme environmental conditions and temperatures, which could affect batteries, e.g. above radiators / in direct sunlight.
- Remove the batteries from the device if they have not been used for a long period!

### **Risk of equipment damage**

- Only use the specified battery type!
- When inserting the battery, ensure that it is inserted the right way round! This is shown in the battery compartment.
- If necessary, clean the battery and device contacts before inserting the battery!




- Remove dead batteries from the device immediately!

## ● **Before using**

- Before initial use, remove the protective film from the device display **2** and insert the enclosed battery.

## ● **Inserting / changing the battery**

If the battery symbol **9**  appears in the display, the inserted battery is almost drained and must be replaced. Empty batteries can falsify the measured result.

### **To insert the battery proceed as follows:**

- Open the battery compartment cover on the back of the device. You can remove the used battery more easily with the aid of the material strip, which is inside the battery compartment **6**. Just pull on the material strip.
- Remove the used battery.
- Plug the contacts of the 9V block battery on the contacts of the profiled plug. Make sure you fit the batteries the right way round. This is specified by the profiled shape of the contacts. Also ensure without fail that the material strip is underneath the battery.
- Insert the battery in the battery compartment and close the cover again, so that it audibly latches into place.




## ● Switching on and off / Automatic shut-down

- Briefly press the ON/OFF button [4] to switch the device on or off.

**Note:** If you do not press any button for one minute after the device has been switched on, the device automatically switches off.

## ● Start-up

- Briefly press the ON/OFF button [4] to switch the device on (Fig. A). A selection of menu points appears at the bottom of the display [2]:  
STUD METAL DEEP AC (Fig. A)
- The selection arrow (▼) [10] is over the menu point for Beam search (STUD) [14], when the device is switched on. Bring the selection arrow over the desired menu point by repeatedly pressing the selection button (►) [3]. The meaning of the individual menu points are:  
STUD: Wooden beam search  
METAL: Metal search  
DEEP: Void search  
AC: Power line search
- Guide the detector over a location on the surface to be examined, where you know that there is no object, which you are looking for. Then press the PUSH button [5] and keep it pressed down. Guide the detector, with the underside flat, over the surface to be examined. It is possible that during this some short signal tones may sound. These are however without any meaning, so long as no intensity

- display  appears in the device display (Fig. B).
- If there is an object, for which the search is activated, in the vicinity of the detector, several bars appear at first on the intensity display. As proximity to the search object increases, the number of bars increases on the intensity display (Fig. C).
- If the detector is exactly over the search object, a continuous signal tone sounds.
- In the case of a search for a power line, the voltage sign ()  also appears in addition to the intensity display.

## ● **Tips on measurement**

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- Incorrect measurements can occur depending on the nature of the examined wall. Check therefore before every measurement the position of a known wooden or metal beam, of a known void or a known power line. If these are not detected by the device, the substrate is not suitable for a search with this device.
- Please note that power lines can also be located as metal or as beams. Always use the additional voltage search, so that you can exclude any incorrect interpretations.
- Please note that metal beams are also detected in the Beam search „STUD“ function. If you find a beam and you want to be sure that it is not a metal beam (or for example a water pipe), use the additional Metal search „METAL“.
- Depending on the wall thickness and material, it is possible that the detector may signal a finding, before it is over the material. In this case mark the start and end of the signalled

area at the indentation of the measuring head. The middle of the sought object lies in the middle between the two markings.

- Please note that metal objects are located more readily the easier they can be magnetized. This means that iron is detected at a significantly greater distance than copper for example.
- Please note that power lines can only be detected as such, if they are carrying voltage. Light switches must always therefore be switched on, so that the conductor is carrying voltage. All the fuses must similarly be inserted or switched on.
- Please note that only voltages of 230V~50 Hz are detected.

## ● Cleaning and Care

- The device should only be cleaned on the outside with a soft dry cloth.

## ● Disposal



The packaging is made of environmentally friendly materials, which may be disposed of through your local recycling facilities.



Contact your local or municipal authority for information on how to dispose of the device at the end of its operational life.



Never dispose of batteries in your household waste. They may contain toxic heavy metals and are subject to hazardous waste regulations. The chemical symbols of the heavy metals are: Cd = cadmium, Hg = mercury, Pb = lead. Therefore dispose of used batteries through your municipal collection site.

## ● Warranty

The device has been manufactured to strict quality guidelines and meticulously examined before delivery. In the event of product defects you have legal rights against the retailer of this product. Your legal rights are not limited in any way by our warranty detailed below.

The warranty for this device is 3 years from the date of purchase. Should this device show any fault in materials or manufacture within three years from the date of purchase, we will repair or replace it - at our choice - free of charge to you.

The warranty period begins on the date of purchase. Please keep the original sales receipt in a safe location. This document is required as your proof of purchase. This warranty becomes void if the device has been damaged or improperly used or maintained.

The warranty applies to faults in material or manufacture. This warranty does not cover product parts subject to normal wear, thus possibly considered consumables (e.g. batteries) or for damage to fragile parts, e.g. switches, rechargeable batteries or glass parts.

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