

# ActiveFinder XP



DE 02

EN 07

NL 12

DA 17

FR 22

ES 27

IT 32

PL 37

FI 42

PT 47

SV 52

NO 57

TR 62

RU

UK

CS

ET

LV

LT

RO

BG

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SL

HU

SK



# Laserliner®



Read the operating instructions and the enclosed brochure „Guarantee and additional notices“ completely. Follow the instructions they contain. This document must be kept in a safe place and passed on together with the device.

## Function/Application

Non-contact tester for locating electrical voltage (230 VAC) in cables, sockets, bulb sockets, fuses, control cabinet and system components. Visual and acoustic signals as well as vibration indicate whether a voltage is present.

## Safety instructions

- The device must only be used in accordance with its intended purpose and within the scope of the specifications.
- The measuring tools and accessories are not toys. Keep out of reach of children.
- Modifications or changes to the device are not permitted, this will otherwise invalidate the approval and safety specifications.
- Do not expose the device to mechanical stress, extreme temperatures or significant vibration.
- If you are working with voltages higher than 24 V/AC / 60 V/DC, exercise extreme caution. Touching the electrical conductors at such voltages poses a risk of life-threatening electric shocks.
- If the device comes into contact with moisture or other conductive-residue, work must not be carried out under voltage. At and above voltages of 24 V/AC / 60 V/DC, the presence of moisture creates the risk of life-threatening electric shocks.
- Clean and dry the device before use.
- When using the device outdoors, make sure that the weather conditions are appropriate and/or that suitable protection measures are taken.
- In overvoltage category IV (CAT IV - 1000 V), the voltage between the test device and earth must not exceed 1000 V.
- Before taking any measurements, make sure that both the area to be tested (e.g. a line), the test device and the accessories used (e.g. connection cable) are in proper working order. Test the device by connecting it to known voltage sources (e.g. a 230 V socket in the case of AC testing).
- The device must no longer be used if one or more of its functions fail or the battery charge is weak.
- Observe the safety precautions of local and national authorities relating to the correct use of the device and any prescribed safety equipment (e.g. electrician's safety gloves).
- Do not work alone in the vicinity of hazardous electrical installations and only under the guidance of a qualified electrician.
- The measuring device must not be used as a substitute for a two-pole zero potential test.

## Additional information on use

Observe the technical safety regulations for working on electrical systems, especially: 1. Safely isolating from power supply, 2. Securing to prevent system being switched on again, 3. Checking zero potential, two-pole, 4. Earthing and short-circuiting, 5. Securing and covering adjacent live components.

## Safety instructions

Using artificial, optical emission (OStrV)

### LED outlet



- The device works with LEDs of risk group RG 0 (exempt, no risk) in accordance with the latest versions of applicable standards relating to photobiological safety (EN 62471:2008-09ff / IEC/TR 62471:2006-07ff).
- Radiation power: Peak wavelength equals 453 nm. Mean radiance is below the limit values of risk group RG 0.
- When used for the intended purpose and under reasonably foreseeable conditions, the accessible radiation of the LEDs is safe for the human eye and skin.
- Temporary, irritating optical effects (e.g. dazzling, flash blindness, afterimages, colour vision impairment) cannot be completely ruled out, especially under low ambient light conditions.
- Do not intentionally look directly into the radiation source for longer periods of time.
- Special safety precautions are not necessary.
- No specific measures are required to ensure the limit values of risk group RG 0 are maintained.

## Safety instructions

Dealing with electromagnetic radiation

- The measuring device complies with electromagnetic compatibility regulations and limit values in accordance with EMC-Directive 2014/30/EU.
- Local operating restrictions – for example, in hospitals, aircraft, petrol stations or in the vicinity of people with pacemakers – may apply. There is a possibility of a dangerous impact on – or interference with – electronic devices.

## Symbols



Warning about hazardous electrical voltage:  
Unprotected live components inside the device housing are capable of posing a risk of electric shock.



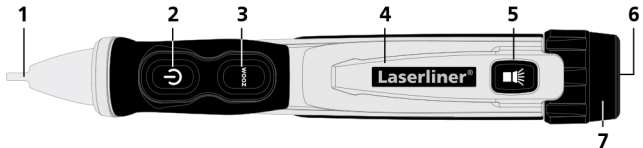
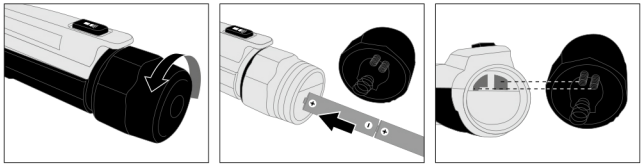
Protection class II: The test device has reinforced or double insulation.

### CAT IV

Overvoltage category IV: Devices such as electricity meters, overcurrent circuit breakers and ripple-control units, which are intended for use at or near the infeed into the electrical installation of buildings, and specifically from the main distribution to the supply system.

## 1 Insertion of batteries

Open the battery compartment and insert batteries according to the symbols. Be sure to pay attention to polarity.

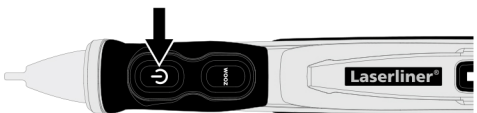


- |                                   |                       |                       |
|-----------------------------------|-----------------------|-----------------------|
| 1 Detector tip with working light | 4 Pocket clip         | 6 Battery lamp        |
| 2 ON/OFF button                   | 5 Battery lamp ON/OFF | 7 Battery compartment |
| 3 ZOOM function ON/OFF            |                       |                       |



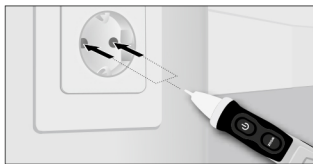
Before using the device, you should always test it on a main circuit you know to be operational within the specified voltage range.

## 2 ON / OFF





### **3** Localising electrical voltages



Position the detector tip in the area to be tested (e.g. cable, socket etc.).

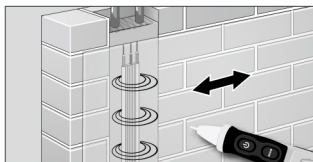


When voltage is present, the detector tip lights red and a rapid signal sounds.

**!** For safety, check all three phase conductors (L1, L2, L3) for the presence of voltage!

**!** If the acoustic signal is weak or the battery lamp is not as bright as it should be, replace the batteries.

### **4** ZOOM function



Press the ZOOM button to increase the sensitivity of the device (12 V AC to 1000 V AC). This enables voltage fields to be located at significant distance by moving the device over the area to be tested.



The detector tip lights orange when the ZOOM button is pressed.

When voltage is present, the detector tip lights red and a signal sounds at 1-second intervals.

**!** Please be aware that even if a visual signal is not displayed, voltage may still be present. Differences in the design of the connection socket or the nature of the insulation (thickness and type) can affect functionality. Voltage cannot be detected behind panels and metal covers.

### **5** Battery lamp

Press button 5 to switch the flashlight on and off.

## 6 Acoustic signal

### To switch off acoustic signal:

Device is off: Press and hold ON/OFF button (2) until the detector tip lights green.

Device is on: Press and hold ON/OFF button (2) until the detector tip flashes green.

### To switch on acoustic signal:

Press and hold ON/OFF button (2) until the detector tip flashes green and a signal sounds.

## Information on maintenance and care

Clean all components with a damp cloth and do not use cleaning agents, scouring agents and solvents. Store the device in a clean and dry place.

### Technical data Subject to technical alterations. 02.2017

Indicator	LED
Voltage range	12 VAC ~ 1000 VAC Frequency 50 ... 60Hz
Overvoltage category	CAT IV - 1000 V (non-condensing) Pollution degree 2
Degree of protection	IP 67
Power supply	2 x 1,5 AAA (NEDA 24A/IEC LR 03)
Operating conditions	0°C ... 50°C, Max. humidity 80% rH, no condensation, max. altitude 2000 m
Storage conditions	-10°C ... 60°C, Max. humidity 80% rH
Dimensions (W x H x D)	160 x 24 x 30 mm
Weight (incl. batteries)	66 g

## EU directives and disposal

This device complies with all necessary standards for the free movement of goods within the EU.

This product is an electric device and must be collected separately for disposal according to the European Directive on waste electrical and electronic equipment.

Further safety and supplementary notices at:

<http://laserliner.com/info?an=acfixp>



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**SERVICE**

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