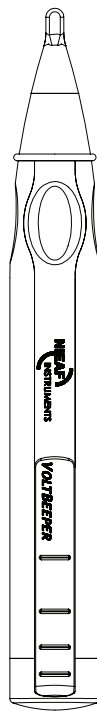


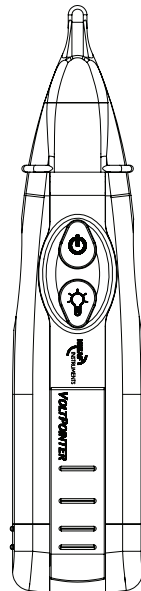


Instruction Manual
Voltage Detectors
Handleiding
Spanningsdetectors

VoltSpotter
VoltBeeper




VoltSafe
VoltPointer





Approaching a voltage leading part, the voltage detectors will indicate this in several ways. The VoltSpotter will give an optic signal, the VoltBeeper an optic as well as an acoustic signal. The VoltSafe and the VoltPointer are not only instruments for voltage detection but also for non-voltage detection, only if earthed properly.

	Auto / Manual	Voltage Detection		Non-Voltage Detection(M)	
		LED (red)	Sound	LED (green)	Flashlight
VoltSpotter	A	✓			
VoltBeeper	A	✓	✓		
VoltSafe	A/M	✓	✓	✓	
VoltPointer	A/M	✓	✓	✓	✓

Symbols on the instrument and in the instruction manual.

 Warns of potential danger, consult instruction manual.

 Equipment protected by double or reinforced insulation.

 Symbol of conformity, confirms conformity with relevant EUDirectives.
The instrument complies with the EMC Directive (89/336/EEC) specifically standards EN 50081-1 and EN 50082-1, as well as the low Voltage Directive (73/23/EEC) described in the standard EN 61010-1.

Instruction :

The contact-free voltage detector has been developed for voltage detecting on (insulated) cables and conductors.

The voltage detectors do not require maintenance. Power is supplied by two micro batteries AAA, 1.5 Volt IEC LR 03 (included).

Cleaning :

Use a damp cloth with household cleaner and wipe the surface by applying light pressure. Do not use the tester till it is completely dry.

Features:

- Contact-free voltage detection 100 V...1000 V AC.
- Optic and/or acoustic signal. Contact-free detection of AC voltages on (insulated) cables and conductors.
- Locating line interruptions in (insulated) cables and conductors. Phase tester of sockets.
- Phase determination of (3 phase) AC lines, multi core cable and wall sockets.
- Non-contact NON-Voltage indication by VoltSafe and Volt Pointer. By performing a self-test it is not required to guarantee the functionality of the unit and therefore without testing on a live source, the unit can be used for determination of No-Voltage. All under condition of proper earthing through user.

Safety measures

The instrument has left our factory in a safe and perfect condition. To maintain this condition, the user must pay attention to the safety references contained in this instruction manual.

⚠ Warning

This instruction manual contains both information and warnings that are necessary for the safe operation and maintenance of the instrument. It is recommended that you read the manual carefully and ensure that its contents are fully understood. Failure to understand these instructions and to comply with the warnings and instructions contained herein can result in serious injury or damage.

⚠ Warning

Only touch the instrument handle for any voltage detection. Do not touch the tip of the instrument while testing.

⚠ Warning

The instrument may only be used within the operating ranges as specified in the technical data section.

⚠ Warning

The instrument can only be used in properly grounded electrical installations.

⚠ Warning

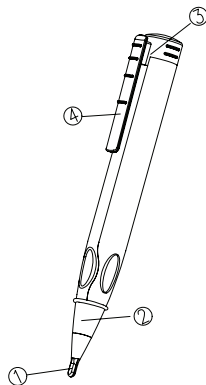
Before use, check the instrument for damages. Do not use the tester if damages are detected.

⚠ Warning

The detector must only be used under conditions and for the purposes for which it has been designed. Particular attention should be paid to the safety instructions, the technical specifications relating to environmental conditions and the use of the detector in dry surroundings.

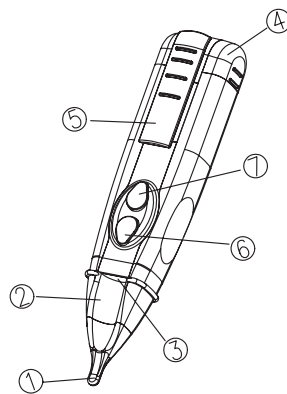
VoltSpotter / VoltBeeper

1. Test probe.
2. LED for voltage indication.
3. Battery case cover.
4. Clip.



VoltSafe / VoltPointer

1. Testprobe
2. Voltage or indication
3. Flashlight (VoltPointer only)
4. Battery cover
5. Clip
6. Button for self-test / non-voltage indication
7. Button for flashlight (VoltPointer only)



Indication of Non-Voltage

By switching on the detector, a small AC Voltage is generated by the batteries and set on the input of the pcb. This is indicated by a short illumination of the red LED in the tip of the detector and a short beep. This indicates a sufficient Voltage level of the batteries. If the circuit board is in tact, the green LED in the ON/OFF switch illuminates and shows that the detector is tested and according to the specifications.

Upon detection of a Voltage over 100 VAC, the green LED is automatically switched off, the red LED blinks and the beeping signal is given. In case the green LED stays on, there is no Voltage higher than 100 VAC detected by the detector. Since the functionality of the detector is tested, there is no doubt about a mal-function and the presence or absense of Voltage. (Voltsafe/pointer only)

⚠ Danger!

In order to avoid the danger of electrical shock, it is important that proper safety measures are respected when working with voltages exceeding 100V DC or 50V AC.

These voltages represent internationally the limits of max. hazardous voltage.

Warning!

The voltage detector is appropriate for AC voltages between 100 V and 1000 V AC.

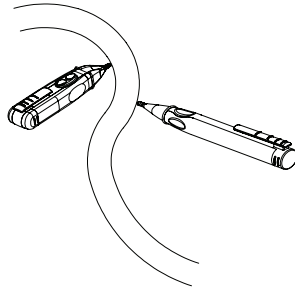
A perfect instrument function is only ensured within a temperature range of 0 ... 40°C, <80% humidity.

Warning!

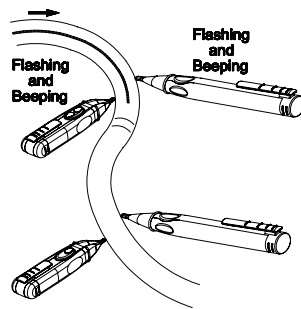
The signal during the voltage detection does not provide any indication of the type and level of voltage present. In case of doubt, measure the voltage by using a 2-pole test instrument with display indication such as the EazyVolt.

When testing mains connected cables for interruptions the user must ensure that both lines are connected once to phase (L). (Turn shockproof plugs by 180°)

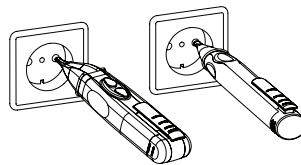
Application examples:



Voltage test at insulated conductors.

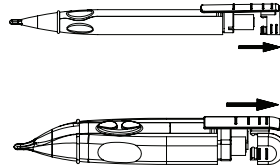


Locating line interruptions.



Phase finding on socket outlets.

Battery replacement



Pull the battery compartment by holding the grip on both sides.

Remove discharged batteries and insert new by respecting the correct polarity.

Press battery cover careful until latching.

⚠ Warning

If the instrument is likely to remain unused for a long period it is advised to remove the batteries.

Please think of our environment when getting rid of used batteries. They should be disposed in a place suitable for hazardous waste.

Technical Data

Voltage range : 100-1000 V AC

Frequency : 45 ~ 60 Hz

Protection : IP 64

Overvoltage category :

CAT III / 1000 V

CAT IV / 600 V

Altitude : up to 2000 meter

Temperature range : 0 ...+40°C

Humidity : < 80%

Power supply :

2x AAA, 1.5 V LR03

VoltSpotter / VoltBeeper

Dimensions : 138 x 22 x 16 mm

Weight : approx. 50 gram

(incl. batteries)

VoltSafe / VoltPointer

Dimensions : 123 x 28 x 16 mm

Weight : approx. 60 gram

(incl. batteries).

One Year guarantee

The testers are subject to stringent quality controls. If, in the course of normal daily use, a fault should occur, we provide 1 year guarantee (only valid with invoice). Faults in manufacture and materials will be rectified by us free of charge, provided the tester has not been tampered with, and is returned to us unopened. Damage due to dropping, abuse or misuse is not covered. Our service department will promptly repair any faults that occur outside the guarantee period.

This instruction manual has been prepared with great care. No liability is accepted for the correctness and completeness of the data and illustrations it contains. We reserve the right to make technical alterations.



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