



## Technical description and Instructions for use

### VOLTAGE DETECTOR type VKP-132



**Manufacturer and service:**

**VILLBEK Kft.**

6728 Szeged, Vágány u. 15.

Phone: 62/464-371 Fax: 62/473-087

E-mail: villbek@villbek.hu

www.villbek.hu



## TECHNICAL INFORMATION

Model number:	VKP-132
Nominal voltage:	132 kV
Threshold voltage:	$13.2 \text{ kV} \leq U_k \leq 59.4 \text{ kV}$
Nominal frequency:	50 Hz

Outdoor version, class L (version without probe tip extension)

Climate class:	N (-25 - +55Co)
Relevant standard:	MSZ EN 61243-1
Supply voltage:	9 V (6F22; 6LR21)
Operating current consumption:	20 mA
Quiescent current consumption:	2 A
Signals:	Light and sound

Display group: **III** ("voltage present" status indication, with standby status has)

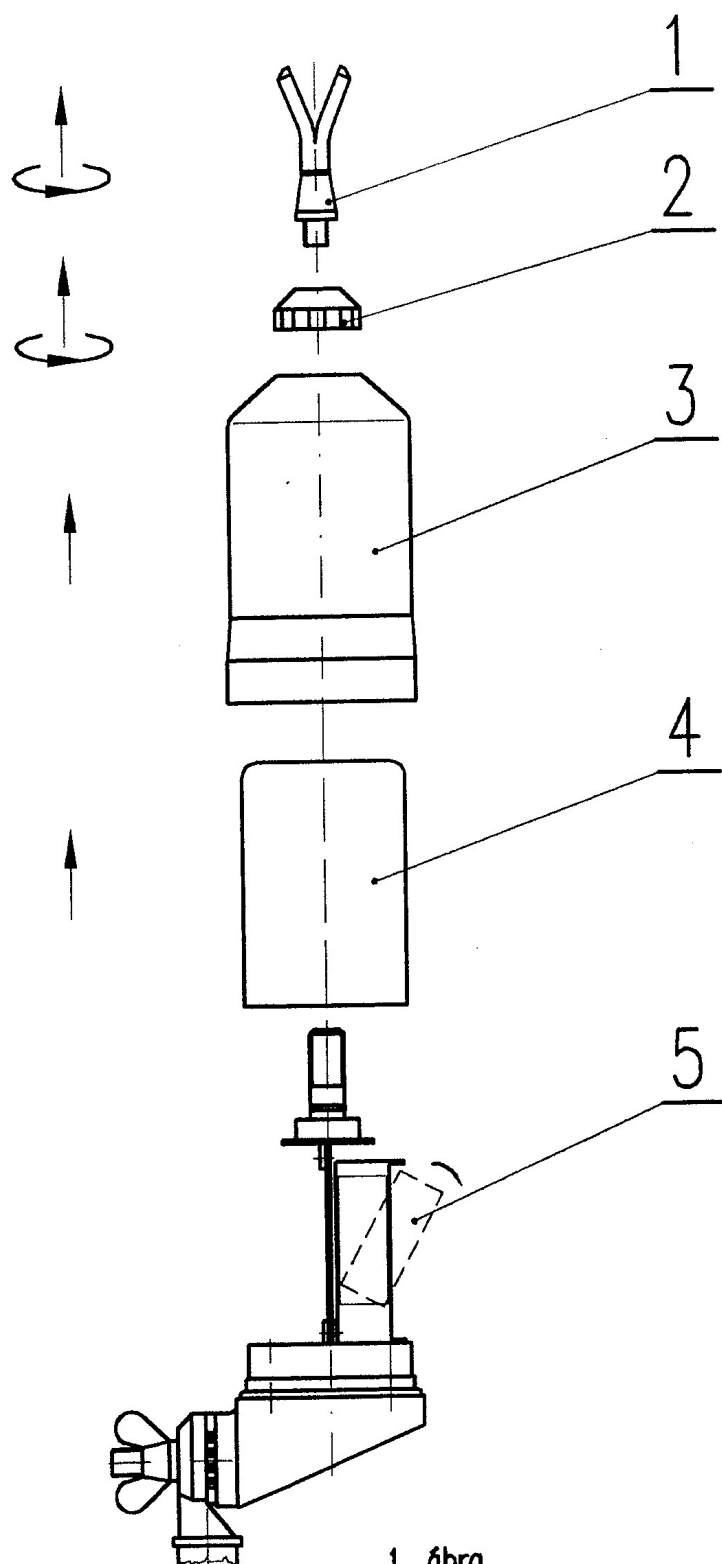
Voltage detector insulating rod: **VK-TR-C-2500**

If there is no sound and light when you press the TEST button, replace the 9V element. (If the battery voltage drops below 7.3-7.5V, the device will not turn on!) If a device signals cannot be detected even after replacing the battery, the voltage monitor is faulty, use is FORBIDDEN!

Another way to check is to know the feeler tip of the spy (132 kV) is touched to a point under voltage. The red LED flashes and the at the same time, if an intermittent sound signal is detected, the voltage monitor is operational.

### **Battery replacement method (Figure 1):**

1. unscrew the probe tip
2. lower the locking screw
3. lift the cover of the device
4. pull off the shading cup
5. replace the battery according to the polarity indicated in the battery holder



1. ábra



## User's Guide:

### Checking the voltage detector:

The TEST button is used to check the functionality of the voltage detector is done by pressing. When pressed, the red and green LEDs light up they flash alternately and an intermittent beep is heard. When releasing the push button a green LED lights up, then approx. 25 sec. after it goes dark and the voltage detector is ready state. Before and after each use, the TEST button must be checked for functionality.

### Maintenance, inspection, storage, repair, prohibitions:

Except for battery replacement, it does not require maintenance. Mechanical before use condition by visual inspection, functionality by pressing the test button. It needs to be checked. In the event of any type of malfunction or damage to the device use is prohibited. The cycle time recommended by the manufacturer for periodic review is two years. Store in the metal storage box provided by the manufacturer. The product is periodically reviewed by the manufacturer or an accredited laboratory, repaired only by the manufacturer you can do it.

### Voltage monitoring operations:

The voltage detector is electric with a nominal voltage of 132 kV (three-phase system). is used to detect the presence of voltage on equipment. Usable operating bar  
**VK-TR-C-2500**

**(Manufacturer: VILLBEK Kft.)**

Place the adapter attached to the device with a screw and a wing nut until it hits an insulating rod into the combined clamping head. Voltage during spying on the insulating rod the regulations for its use must be observed!

Holding the insulating rod by the handle, touch the voltage detector for the equipment to be tested.



## **THE POINT OF TOUCH SHOULD BE ON A METAL SURFACE!!**

(paint, dirt free)

In the presence of nominal voltage, the red LED flashes rhythmically and intermittently an audible signal is heard.

### **Regulations:**

The regulations for the use of the voltage detector are.  
According to point 6.2.3 of MSZ 1585:

The voltage-free state must be checked on all poles of the electrical equipment at or near the place of work. The electrical equipment is disconnected this state of its parts must be based on local operating regulations in accordance with practice to check.

In the case of 120 kV nominal alternating voltage (three-phase system), MSZ EN It must be checked with a single-pole voltage detector according to 61243-1. The tension on these levels, the indication of the instruments built into the electrical equipment is not sufficient a to check the no-voltage condition.