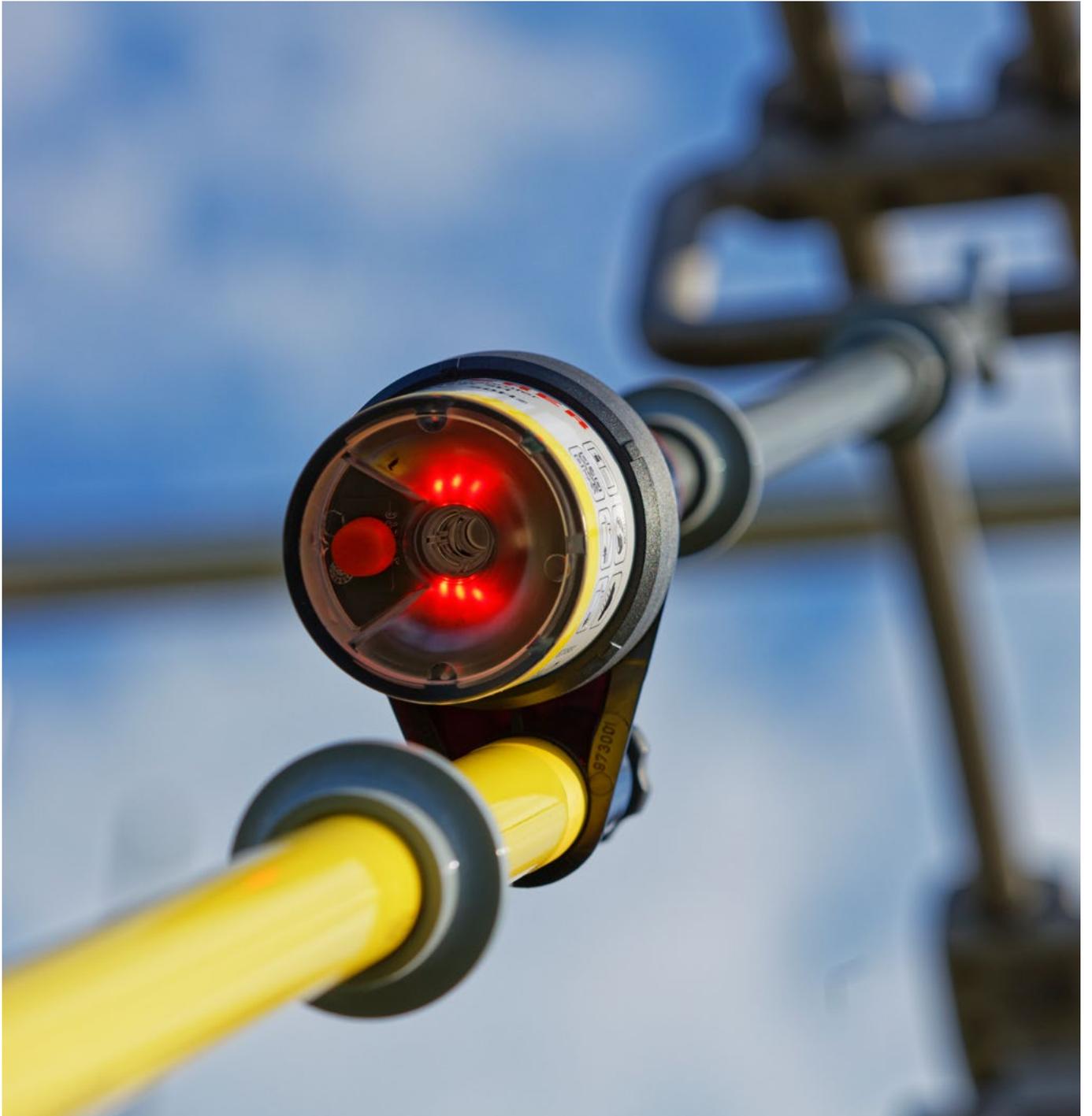


PFISTERER



Simple voltage detection

Voltage detectors for all applications in the electricity grid

Voltage detection made easy!

Is the operating voltage present or not present? This is the fundamental question when working on electrical systems. To answer this question unambiguously, reliable voltage detectors with clear signalling are required. They are the crucial factor in preventing accidents and protecting people and property. However, ensuring this safety is also a time-consuming and cost-intensive task. PFISTERER knows what matters, and combines 100 percent safety with maximum cost-effectiveness in the KP-Test 5 series of voltage detectors.

Quality and durability

For over 50 years, PFISTERER voltage detectors have represented quality and durability. The KP-Test 5 series are well engineered products that have been tried and tested in practice. Each device undergoes 100% factory functional testing – both prior to initial delivery and during every maintenance inspection. As a result, users can be absolutely sure that they are ideally equipped for all challenges.

Always better

At PFISTERER, we always want to make our products better. So we maintain continuous dialogue with our customers. Knowledge gained from practical experience drives innovations, technical advances and enhancements to our voltage detectors. Each of these developments is extensively tested and checked under real conditions before being launched on the market. Only when a voltage detector meets the application-specific and normative requirements do we offer it for sale.



Direct feedback from the voltage detector with active switch-on

Active switch-on

Active switch-on is an important safety feature on PFISTERER voltage detectors. We are certain: only by actively switching on your device and receiving direct feedback from it can you be sure that it is working properly and all settings are correct. The built-in self-test on PFISTERER voltage detectors checks all the electronics, the battery status and the contact electrode. The device reports it is ready for operation only if everything is working properly.

In use everywhere

Used successfully by energy suppliers and railway operators worldwide, voltage detectors by PFISTERER stand out for their quality, durability and versatility. PFISTERER voltage detectors are available in various designs and for all applications in the electricity network – from power generation and transmission to distribution.

Portfolio

- DC or AC voltage
- "Complete device" / "separate device"
- Nominal voltages from 1 kV to 420 kV
- Frequencies: 50 Hz / 60 Hz or 16.7 Hz for railway applications
- For one nominal voltage, a nominal voltage range, or as a switchable dual version

Double certainty

A clear indication of the test result is essential to prevent accidents. That is why PFISTERER uses the proven dual visible and audible signalling system. If "no operating voltage is present", the detector shows a green continuous light without a signal tone. But if "operating voltage is present", six red LEDs flash and a signal tone sounds.

One device – two detection ranges

The detection range of KP-Test 5 voltage detectors is adapted to the application and each customer's specific requirements. As well as devices for a specific nominal voltage and a nominal voltage range, dual versions of the voltage detectors are also available. These are switchable and can detect two different nominal voltage ranges.



Substation or overhead power line: PFISTERER offers voltage detectors for all applications in the electricity grid

Voltage detection simple, safe, everywhere

Between the power plant and the end user, there are many different electrical systems and interfaces. During maintenance and repair work, the ability to clearly check whether operating voltage is present or not is vital. PFISTERER offers the right voltage detector for every application.



HV DC

1 KP-Test 5HVDC

- For high voltage DC transmission systems
- Voltage: 150 to 320 kV DC
- Article number: 930 490 001 xxxxx*



HV AC

2 KP-Test 5D dual

- Distance voltage detector for high voltage overhead lines
- Voltage: 110 to 420 kV AC
- Frequency: 50 Hz / 16.7 Hz
- Article number: 930 470 501 xxxxx*



HV AC

3 KP-Test 5HL

- For high voltage overhead lines
- Voltage: 110 to 420 kV AC
- Frequency: 50 Hz
- Article number: 930 200 002 xxxxx*



HV AC

4 KP-Test 5H

- For high voltage overhead lines and outdoor switchgears
- Voltage: 110 to 420 kV AC
- Frequency: 50 Hz / 16.7 Hz
- Article number: 930 250 001 xxxxx*



MV AC

5 SPPC 5 SPPC 5 dual

- For phase equality in three-phase networks
- Voltage: 3 kV to 36 kV AC
- Frequency: 50 Hz
- Article number: 930 400 001 xxxxx* 930 400 501 xxxxx*[dual]



MV AC

6 KP-Test 5 KP-Test 5 dual

- The allrounder for MV applications**
- Voltage: 1 kV to 36 kV AC
 - Frequency: 50 Hz / 60 Hz / 16.7 Hz
 - Article number: 930 190 001 xxxxx* 930 190 501 xxxxx*[dual]



MV AC

7 Deltameter 5

- For voltage difference in MV networks
- Voltage: 1 to 13 kV AC
- Four-digit LED 7 segment display
- Two-pole voltage detector
- Article number: 930 450 001 xxxxx*



MV AC

10 KP-Test 5A

- For outer cone connector systems
- Voltage: 3.6 kV to 36 kV AC
- Frequency: 50 Hz
- Article number: 930 190 001 xxxxx*



MV AC

11 KP-Test 5i

- For medium voltage substation
- Voltage: 5 to 20 kV AC
- Frequency: 50 Hz
- Article number: 930 150 005 xxxxx*



MV DC

12 KP-Test 5DC

- For switchgears of DC railways
- Voltage: 850 to 4000 V DC
- Two-pole voltage detector
- Article number: 930 370 001 xxxxx*



MV DC

14 KP-Test 5R DC KP-Test 5R DC dual

- For contact line systems of DC railways
- Voltage: 500 to 4000 V DC
- Two-pole voltage detector
- Article number: 930 350 001 xxxxx* 930 350 501 xxxxx*[dual]



AC MV Special application for railway cranes

9 Distance voltage sensor

- Voltage: 15 kV / 25 kV AC
- Frequency: 16.7 / 50 Hz



HV High voltage
MV Medium voltage
AC AC voltage
DC DC voltage

Can be used in any weather
 Suitable for indoor use
 Not suitable for indoor use
 Not suitable for outdoor use

* The article number consists of the 9-digit basic article number and the 5-digit variant number. The variant number is generated depending on the application and unit version.

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YEARS
PFISTERER
SINCE 1921

In 1921, Karl Pfisterer founded his factory in Stuttgart for special electrical products with the aim of improving the world of power transmission. The PFISTERER Group has pursued this goal of quality and technological leadership for more than 100 years. Today, PFISTERER is one of the world's leading specialists and system suppliers for energy infrastructure – with a complete range of cable accessories, overhead line technology and components along the entire transmission chain from power generation to consumption. With state-of-the-art manufacturing processes and 1,200 employees at 18 international locations, PFISTERER not only connects the power grids of today and tomorrow, but also makes an important contribution to a sustainable and secure energy supply.