



KP-Test 5D dual

Non-contact high voltage detector for use on railway and utility company overhead power lines

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High voltage testing: simple, safe, non-contact.

Before carrying out repair and maintenance work, the five safety rules have to be applied. One of these is “check to make sure there is no voltage”. This requires equipment that clearly and reliably indicates the voltage status. The KP-Test 5 series from PFISTERER meets the highest safety standards worldwide, and offers the right solution for every application. Now there is also a non-contact option, the new KP-Test 5D dual.

Non-contact testing method

The new KP-Test 5D dual voltage detector works on the field probe principle. The field probe detects the electrical field surrounding the voltage detector. An evaluation unit monitors the field strength. If it exceeds a defined threshold, the voltage detector shows “operating voltage present”. If the value is not reached, the device signals that no voltage is present.

Two testing ranges

The KP-Test 5D dual features outstanding flexibility for specific applications. It has two switching levels for testing different voltages and frequencies. At the same time, there are different device types for use in railway and transmission network scenarios. Thus voltages from 110 kV at 16.7 Hz or 110 kV 50 Hz up to 420 kV 50 Hz can be clearly detected.

More safety

Like all members of the KP-Test 5 family, the KP-Test 5D dual performs a reliable self-test when it is switched on. The test result is indicated via the proven dual system comprising a visual and an acoustic signal. In addition, a proportional acoustic warning signal makes it clear when the KP-Test 5D dual is approaching a live conductor – at an early stage, before the actual response threshold is reached. It works by sounding tones at decreasing intervals, like a vehicle reversing sensor.

Easy handling

With an overall length of less than one metre and weight of 1,080 grams, the KP-Test 5D dual is easy to handle in every situation – whether in use on a tower or while being transported in the ergonomic bag with shoulder strap. Hence the voltage detector offers additional safety in everyday use.



The KP-Test 5D dual is a non-contact high voltage detector for use on railway and utility company overhead power lines.

Anywhere, in any weather

Whether in rain, fog or temperatures between $-25\text{ }^{\circ}\text{C}$ and $+70\text{ }^{\circ}\text{C}$, the KP-Test 5D dual reliably and safely detects voltage under all conditions. Extra powerful LEDs ensure a clearly visible signal – even against bright lights or in strong sunlight. The integrated acoustic signal can be clearly heard even in noisy environmental conditions – such as in wind on overhead power line towers.

Light and sound:

The proven dual visual and acoustic signalling system clearly indicates whether voltage is present. The proportional acoustic warning signal tells the operator the field strength and distance from the conductor.



Decreasing field strength

Benefits

- Reliable self-test
- Clear signalling
- Visual and acoustic signal
- Proportional acoustic warning signal
- Lightweight and compact
- Use in any weather
- Tested to DIN VDE V 0682-417

KP-Test 5D dual in Numbers

- Weight: 1,080 g
- Length: 980 mm
- Probe length: 270 mm
- Length of insulating section: 520 mm
- Handle length: 290 mm
- Diameter of insulating section: 24 mm

Choosing the right product

	Railway applications	Utility company applications
Types	Level I: 110 kV 16,7 Hz Level II: 110 kV 50 Hz	Level I: 110 kV 50 Hz Level II: 220 - 420 kV 50 Hz
Article no. With storage bag	930 470 501 / 00003	930 470 501 / 00005
Article no. Without storage bag	930 470 501 / 00004	930 470 501 / 00006



PFISTERER Holding AG

Rosenstraße 44
73650 Winterbach
Germany
Phone: +49 7181 7005 0
Fax: +49 7181 7005 565
info@pfisterer.com
www.pfisterer.com

The PFISTERER Group is amongst the world's leading specialist equipment and system suppliers in the energy infrastructure industry. Around 2,100 employees develop, produce and distribute components and complete solutions for the particularly sensitive interfaces in modern energy networks. With a complete range of products and services, the PFISTERER Group provides customised solutions for the complete transmission chain from low and medium to high and ultra-high voltage. Everything from a single source. Worldwide.

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IXOSIL

SEFAG

the power connection