LINE TRACER – Universal wire and cable locator

KE2093

Transmitter T10K

Reciever R10K

Purposely designed to be used on:

- electrical installations
- various cable networks
- pipe installations
- telecommunications
- easy usage in various situations

Applications

- Tracing cables in walls, ceilings, floor band ground
- Tracing live or coltage free cables
- Locating cable interruptions and short-circuits within cables
- Locating fuses and assignment to circuits
- Determining an individual wire in a bundle of whires
- Tracing pipe installations and other conductive loops

Key features

- Detection depths up to 2 m can be achieved
- Works with both energized and non-energized systems
- The highly sensitive reciever R10K detects the injected signal around the measured line or object
- Three levels of sensitivity adjustment: low, middle and high. Each level can additionally be adjusted precisely.
- Dual bar-graph and buzzer indicator offers easy indication in dark or noisy environments.

Tracing buried cables inside the ground

Tracing hidden paths

With various arrangements a detection depth between 40 and up to 200 cm can be reached on energized lines, a detection depth up to 40 cm can be reached on non-energized lines.
Depending on the cable depth, a detection accuracy up to 1 cm can be achieved. Two probes (standard, selective) can be chosen.

Determining individual wires in a telecommunication envirenment

This locating method requires the use of a test tip which is part of a standard set.
The high accuracy of the method allows for pinpoint determination of a traced conductor.

Determining individual wires and fuses in a switch box

This tracing method uses A1074 current clamps.
The high accuracy of this method allows for pinpoint determination of a wire or fuse without removal of the plastic cover of the switch box.

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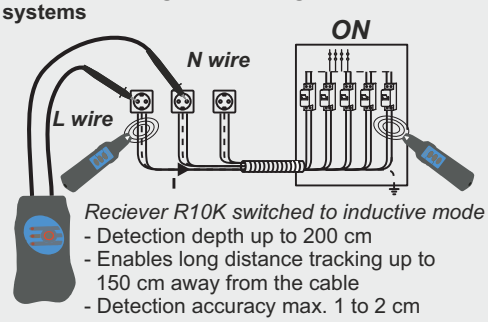
Made in Germany

	Transmitter T10K	Reciever R10K
Batteries	4 x AA size (1.5 V)	1 x PP3 size (9 V)
Low battery indicator	Yes	Yes
Operating temperature	0 – 40 °C	0 – 40 °C
Storage temperature	-30 – 60 °C	-30 – 60 °C
Mass	300 g	150 g
Dimensions	80 mm x 50 mm x 150 mm	45 mm x 45 mm x 210 mm
Operating frequency / selectivity	10.6 kHz modulated with 4 Hz	Input band-pass filter 10.6 kHz
Indicators	–	Acustic: speaker (70 dB), visual: LED bargraph-style indicator
Sensitivity	–	3 levels, potentiometer for fine adjustment of signal gain

TYPICAL CONNECTION SCHEMES

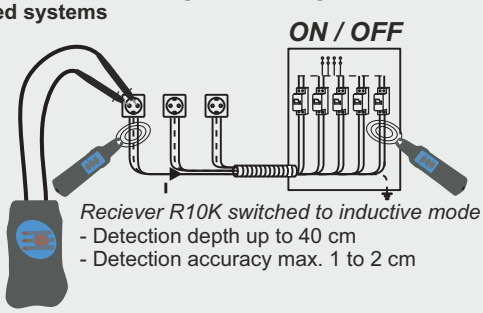
Tracing cables in walls, ceilings, floor and ground on energized systems



Transmitter T10K is automatically in load mode

Reciever R10K switched to inductive mode
- Detection depth up to 200 cm
- Enables long distance tracking up to 150 cm away from the cable
- Detection accuracy max. 1 to 2 cm

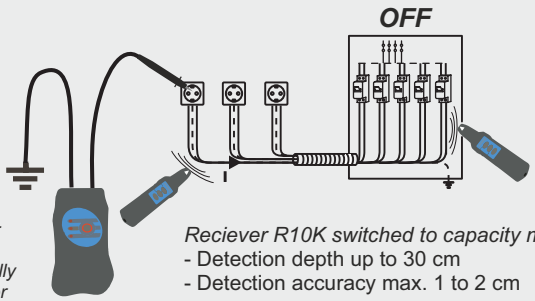
Tracing cables in walls, ceilings, floor and ground on energized systems



Transmitter T10K is automatically in load mode

Reciever R10K switched to inductive mode
- Detection depth up to 40 cm
- Detection accuracy max. 1 to 2 cm

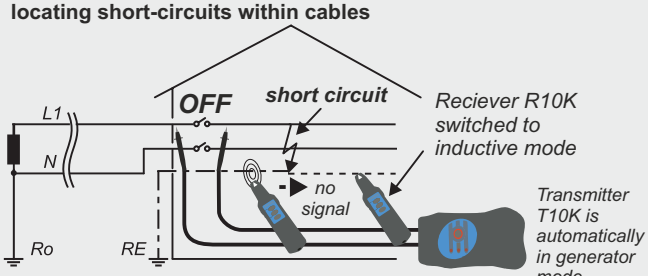
Tracing cables in walls, ceilings, floor and ground on non-energized systems



Transmitter T10K is automatically in generator mode

Reciever R10K switched to capacity mode
- Detection depth up to 30 cm
- Detection accuracy max. 1 to 2 cm

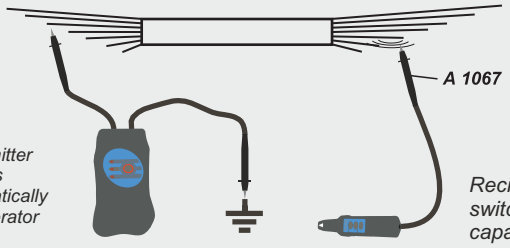
locating short-circuits within cables



- Detection depth up to 5 cm
- Detection accuracy max. 2 to 5 cm, depending on cable depth

Attention: Load current of the Transimtter is 1 A!
Due to safety reasons, the R_E has to be smaller than 50 Ω!

Determining individual wires, fuses and connectors with special test tip probe

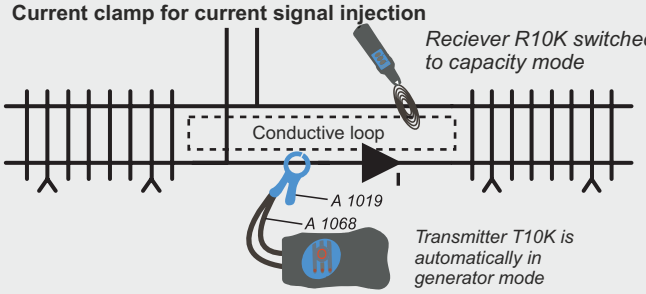


Transmitter T10K is automatically in generator mode

Reciever R10K switched to capacity mode

- Detection depth up to 30 cm
- Detection accuracy max. 1 to 2 cm

Current clamp for current signal injection



- Recommended method for tracing metal pipe installations
- Detection depth up to 10 cm
- Current clamps are required for performing measurements

	Description
0.49570	Standard set including transmitter T10K, reciever R10K, special selectice tip probe, 2x 1.5 m test lead for R10K, 1.5 m test lead for R10K with built-in resistor, 2x test tip (black), 2x alligator clip, small soft carrying bag, instruction manual, declaration of conformity, product verification data and declaration of warranty
A 1019	Current clamp 1000 A - 1A, d = 52 mm
A 1068	Connection cable for clamp
A 1074	Mini current clamp 200 A - 0.2 A, d = 15 mm

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