xDSL detector & contactless xDSL signal receiver
with integrated cable finder functions &
visible optical red light source (VFL).

KE3150 xDSL Detection Kit

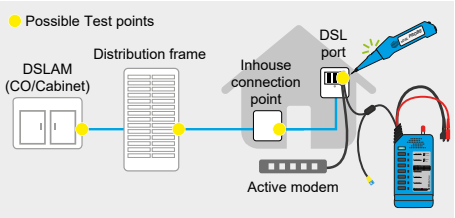
NEW

At a glance

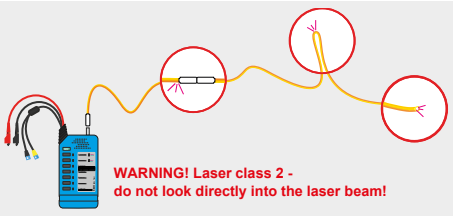
- xDSL availability test: ADSL, VDSL2, G.fast & more
- Detection of the Annex variant: DSL/All-IP, DSL/ISDN, DSL/POTS
- Contactless detection of active DSL signals
- ETH link test, LAN port finder
- Visible light source for fibre optic fault location (VFL)
- Cable finder function

KE3150 – UNIQUE, COMPACT & AFFORDABLE! The KE3150 enables technicians to detect both availability and activity of classic and IP-based DSL services.

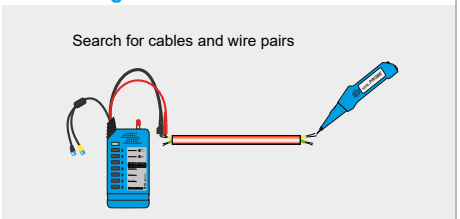
xDSL Tests



Optical light source (Visual Fault Locator)



Line tracing



DSLAM/ISAM activity test

The KE895 xDSL Check can activate the inactive DSLAM/ISAM at the remote end of a wired line to indicate the availability of a DSL service and the Annex variant via LED: Annex A/M (DSL via POTS), Annex B (DSL via ISDN) or Annex J (All-IP). All current xDSL services according to ITU-T G.441 are supported, for example ADSL or VDSL2 as well as the new SuperVectoring (VDSL 35b) and G.fast technology.

Contactless detection and classification of xDSL services

With the unique KE420 xDSL PROBE, wire pairs which carry active xDSL signals can be detected contactlessly. The active services are neither disturbed nor do they lose their connection. This way, the lines carrying an active xDSL signal can be easily determined in the Central Office (CO), at the Street Cabinet, at the house transfer point or in the building. Two LEDs indicate the activity from ADSL to ADSL2+, VDSL2 to Bandplan 17 and VDSL35b/G.fast. The brightness of the xDSL LED additionally indicates the signal strength.

Data port test/port finder function

The Ethernet link test enables active (patched) network connections to be detected and to be quickly and easily assigned to the corresponding port on the switch, in the LAN using the link blink function.

Integrated visible laser light source for visual inspection of fibre optic lines

In addition, an integrated visible light source (VFL) is available for the visual inspection of optical fibres for daily work. It can be used to visually test singelmode/multimode fibre optic cables and other fibre optic components for breakage and continuity. Fibre optic cables in a bundle can be localized and assigned.

Overvoltage protection up to 500 V DC/350 V AC

Overvoltage protection protects the device in case of accidental contact with live cables >100 V.

Tests of cabling of all kinds

KE3150 has a cable finder function for identifying specific lines in telephone, data and coaxial as well as cables in voltage-free electrical installations. Cables can be located in ducts or walls. Wire pairs and even reversals and split pairs can be detected. A continuity test with resistance-dependent tone frequency helps to determine the copper cable condition.

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Made in Germany

KE895 xDSL Check / Search signal transmitter

Test cords	Flexible test cord	25 cm
	Test cord connection	2x banana with crocodile clips 1x RJ11 plug with TAE adapter 1x RJ45 plug
	Additional test ports (only KE895)	1x 2,5 mm universal optical fibre ferrule
	Strain relief on the test cords	■
	Gold-pleated contacts	■
Features	Continuity test	LED + tone
	DSL availability test	For services according to ITU-T G.441 such as ADSL - ADSL2+, SHDSL, VDSL2, VDSL 35b, G.fast
	Resistance test by changing the tone frequency	■
	Low battery indication by flashing LED	■
	Auto power off 45 / 90 min. / never (in toner mode)	■
	Device switch-on indicator with LED	■
	Data port test via Link-Blink function	■
	Visible laser light source (VFL)	■
Frequencies	Copper (< ±1 %)	Solid : 1 kHz, 1,9 kHz, 577 Hz
	Fibre	270, 1000 Hz moduliert + pulse.
Range	Copper	Max. cable length up to 15 km without load, up to 0.4 mm Ø
	Fibre	Max. cable length up to 10 km
Transmitting power (9 V block battery)		9.0 V_{SS} without load / ~ 12 V_{SS} with loaded battery +5 dBm at 600 Ohm for fundamental 1 kHz 0 dBm at 100 Ohm for fundamental 1 kHz -5 dBm at 50 Ohm for fundamental 1 kHz
Overvoltage protection		Up to 500 V DC / 350 V AC in all modes except CONT and ETH for banana plugs / Pin 4 + 5 on RJ45
Dimensions		150 x 65 x 26 mm
Weight		220 g without battery
Case		Solid, shock-resistant and weather-resistant ABS-case Detached battery compartment Captive Screw

KE420 xDSL PROBE / Search signal receiver

Features	Flashlight function	■
	xDSL signal filter LED	ADSL – ADSL 2+, VDSL2 bis 17a / VDSL35b, G.fast
Search distance		To cable max. 60 cm, search depth under plaster max. 15 cm
Dimensions		220 x 40/35 x 25 mm
Weight		90 g without battery
Additional hardware features		Test probe made of non-conductive carbon fibre reinforced plastic 3.5 mm headphone jack Gold-plated contacts Detached battery compartment
Power supply		9 V block battery
Casing		Sturdy, impact-resistant and weather-resistant ABS-case with membrane keys

Article description

0.49801	**KE3150**		xDSL Detection Kit consisting of: *KE895 xDSL Check* and *KE420 xDSL Probe* with protective bag
0.49800-11	**KE895 xDSL Check**		DSLAM / ISAM activity test and cable finder functions as well as fibre optic fault locator (VFL)
0.49800-20	**KE420 xDSL PROBE**		Detects active xDSL signals and receives search signals during line searches
0.49600	**Headphone**		Headphone for PROBE 310/410/420/510 (hearing aid in noisy environment)
0.49700	**Breakout adapter**		Test adapter set, for looping into cables and tapping the pins of junction boxes Consisting of 6- / 8-pole modular adapter with RJ11 / RJ45 cable and TAE adapter
1400070	**FO adapter**		Fibre optics adapter for 2,5 mm connection socket to 1.25 mm
1400078	**FO adapter**		Fibre optics adapter for 2,5 mm connection socket to POF

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