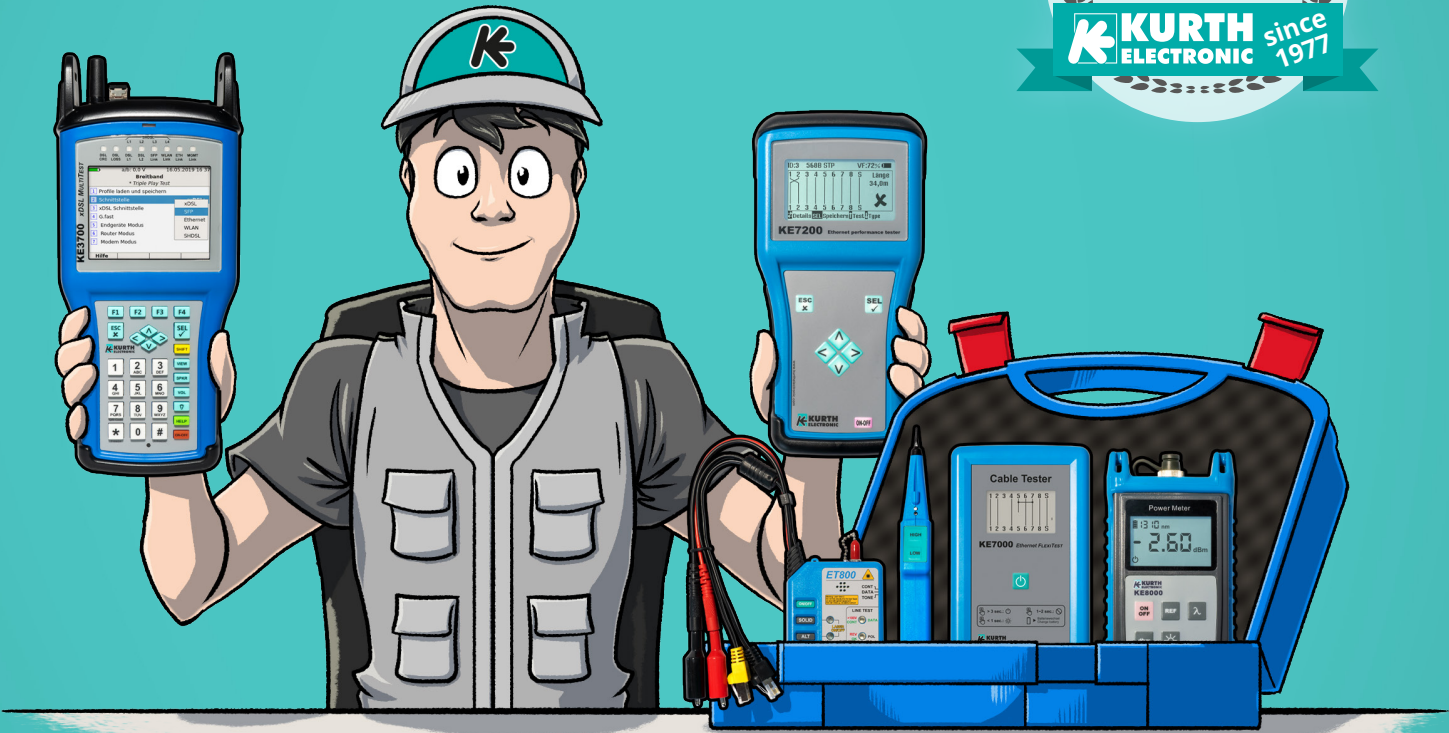




# PROGRAM 2023

## Test and measurement for telecommunication and data networks






Digital catalogue



KE Homepage



Product videos

LAN

Data

WLAN

WAN

xDSL

G.fast

VoIP

IPTV

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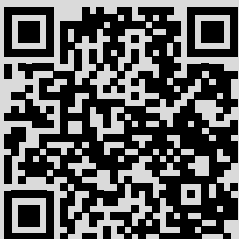
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## All-in-One – The next generation testing technology

The **KE3700 xDSL MultiTest** is the perfect tool for service technicians from network operators and for ICT specialists.

The innovative and modular platform of KE3700 can be configured according to the requirements of the user. Numerous hardware and software options allow the user to combine the functions of several test devices in one housing – even at a later date. This guarantees a high degree of investment and future security and a high degree of flexibility.

The multifunctional KE3700 is ideally suited for testing tasks during installation and interference suppression of the broadband services ADSL1/2/2+/SHDSL/VDSL2, VDSL2 Vectoring as well as for the latest standards Super Vectoring (VDSL 35b) and G.fast. xDSL autotest starts at the push of a button and automates the synchronization process. Thanks to gigabit interfaces for copper and fibre optics, the KE3700 can also be used to carry out measurements in broadband networks based on FTTB and FTTH (ETH) and also in the local customer network (LAN). Automatic and configurable speed tests enable the user to determine the maximum available bandwidth.

Disturbances of the service, caused for example by faults in the cabling, defective customer equipment and external frequency interferers, can be reliably isolated.

Measured values can be viewed in tabular form and selected parameters can also be viewed graphically over the entire duration of the measurement. The colour display of the KE3700 is protected by safety glass and can even be read in sunlight.

Thanks to the at-a-glance display and intuitive operation, without time-consuming menu changes, efficient work is guaranteed. The multitasking function allows the user to run several tests in parallel.

In addition to extensive test functions for the common telephony services ISDN and POTS (analogue), KE3700 is able to test VoIP telephony and evaluate voice quality based on relevant parameters. KE3700 supports standard SIP, SIP trunk and enables users to conduct up to 10 calls simultaneously (MultiCalling).

The test function for IPTV services includes a channel scan and a preview image in addition to single and multistream. Extensive parameter statistics allow the technician to make a reliable quality assessment.

New Wi-Fi test functions are available for service testing in 2.4 and 5 GHz networks. Classic function tests, extensive network information, quality parameters incl. automatic good/bad evaluation and a Wi-Fi monitor are part of the range of functions. Furthermore, the KE3700 even enables the testing of triple-play services (Data/VoIP/IPTV) in wireless networks.

The KECT copper test module, which can be integrated in the housing, is used for comprehensive status analysis and detailed fault detection on the telecommunication twisted pair. AC/DC cable multimeter measurements help to determine important line parameters. Precise measurements of line length and fault location can be determined via TDR (Time Domain Reflectometry) and RFL (Resistive Fault Location). In combination with the KE905 Remote electronic line switch, automatable measurement sequences can be carried out. RF measurement functions allow the technician to assess the quality and qualification of the copper twin wire. The KE3700 also provides an insight into the transmission spectrum, which enables the detection of frequency disturbances.

The DMM Digital Multimeter option allows a quick test of the building's internal telecommunication lines. Resistance and capacitance values are tested, including determination of the line length and voltage.

Stored measurements in the KE3700 can be recalled for review and viewed in detail. Measurement logs can be transferred directly to a USB stick as a PDF or managed via the included KE-Manager software. The QR code display also allows live measurement results to be transferred to digital order processing systems.



Image shows KE3700 with Wi-Fi and SFP options

Have a look at our product video!



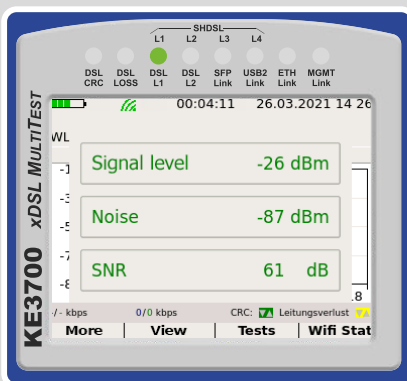


## At a glance

- ADSL–ADSL2+, VDSL2, VDSL2 (Vectoring/Super Vectoring), xDSL-Bonding and G.fast with auto service detection
- SFP port for digital diagnostic mode, optical level/power meter, triple play tests
- Maximum transfer rates for performance measurements in gigabit networks
- VoIP test incl. SIP trunk and MultiCalling with extensive statistics
- IPTV test with preview image and statistics as well as IPTV channel scan
- Wi-Fi connectivity and Wi-Fi testing for triple play tests (data, VoIP, IPTV) and web browser
- Coppertest (KECT), AC/DC measurements, resistance fault localization (RFL), TDR measurements
- High frequency measurements for line qualification up to 31 MHz
- Compatible with KE905 Remote for performing automated cable test sequences
- SHDSL support, 2 to 8 wires \*
- ISDN U<sub>K0</sub>/S<sub>0</sub>/S<sub>2M</sub> and analogue test phone function \*

\* on request

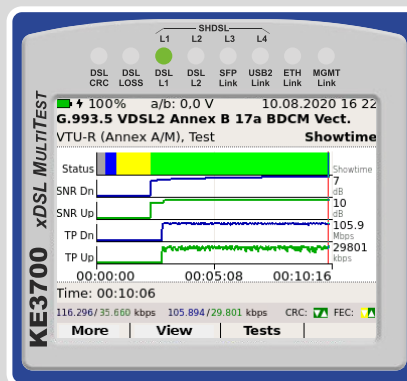
## New measurement functions for KE3700 xDSL MultiTest



### Wi-Fi connectivity and tests

Extended range of functions incl. new dual-band Wi-Fi monitor. Function tests, quality parameters with automatic evaluation, monitor and triple play tests.

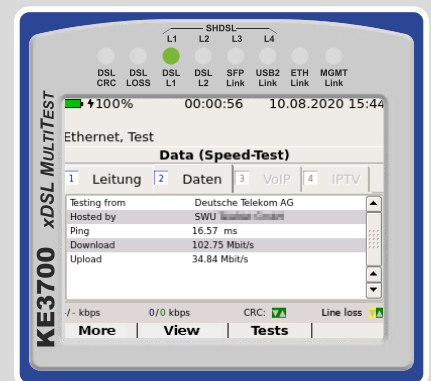
0.49840-17 + 0.49840-17-10



### xDSL Time Trace

Graphical representation of important parameters over the entire measuring time. Sync. rate, data transfer rate, SNR margin, bitswap, retransmission, CRC and FEC.

0.49840-21



### IP speed test

Speed test with automatic server search. Upload and download test as well as ping test at the touch of a button. Supported by all broadband interfaces: xDSL, ETH, SFP, Wi-Fi and SHDSL.

0.49840-15





**xDSL**

- ADSL–ADSL2+ Annex B/J or Annex A/M
- VDSL2 incl. VDSL2 Vectoring, profiles 8a/b/c/d,12a/b, 17a, 30a
- ADSL2+ and VDSL2 Bonding Annex A (ITU-T G.998.1/2/3)
- Super Vectoring (VDSL 35b), ITU-T G.993.2 Annex Q up to 35 MHz
- G.fast ITU-T G.9700/G.9701 up to 106 MHz
- Terminal, modem and router substitute mode
- Terminal mode for Triple Play tests (Data/VoIP/IPTV)
- IP speed test with automatic server search
- xDSL Time Trace for graphical representation of selected parameters

**VoIP**

- VoIP connections over xDSL/ETH/SFP/Wi-Fi/SHDSL\*
- SIP-Trunk and QoS support
- Multi Calling – up to 10 VoIP calls in parallel
- Extensive VoIP statistics

**IPTV**

- IPTV connections over xDSL/ETH/SFP/Wi-Fi/SHDSL\*
- Extensive IPTV statistics
- Preview function and multistreaming
- IPTV channel scan with display of switching time

**Wi-Fi**

- 2.4/5 GHz, incl. SMA antenna (Management Interface) and Dualband Wi-Fi
- USB adapter (Test Interface)
- Wi-Fi scan (SSID), send channel, signal strength, signal quality
- Graphical channel and access point overview
- Wi-Fi monitor (Client Scan)
- Triple Play tests (Data/VoIP/IPTV)
- IP speed test with automatic server search

**Gigabit Ethernet ports**

- SFP fibre optics or copper RJ45
- IP speed test with autom. server search
- Digital Diagnostics Monitoring (DDM)
- Optical power meter
- Triple Play tests (Data/VoIP/IPTV)

**Coppertest with KECT**

- Cable multimeter measurements: Current, voltage, insulation, resistance and capacitance, symmetry
- RFL measurement: Resistance fault localization after Murray and Küpfmüller
- TDR measurements for precise cable fault localization up to 6 km
- High-frequency measurements up to 31 MHz: Spectrum analysis, impedance measurement, reflection and unbalance loss (LLC), NEXT measurement, receive level, broadband noise and impulse noise
- Manual or automatable measuring sequences possible (autotest)
- Compatible with KE905 Remote, direct control of the line switch at the remote end to simplify the measurement process

**Digital Multimeter (DMM)**

- DMM quick test for in-house telecommunications cabling: Voltage, resistance and capacitance

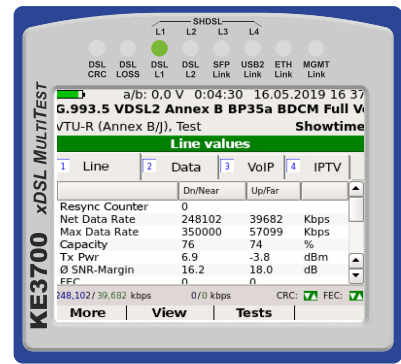
**SHDSL 2- to 8-wire \***

- Ethernet First Mile (EFM), TDM and ATM support
- Modem (STU-R) and DSLAM emulation (STU-C)
- IP speed test with automatic server search

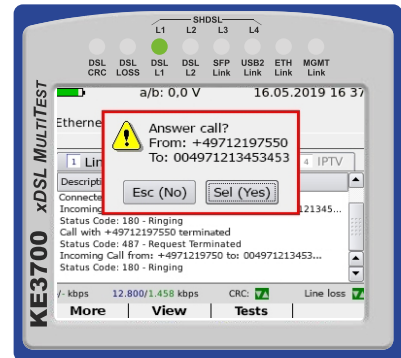
**ISDN / Analogue \***

- ISDN UK<sub>0</sub> / S<sub>0</sub> / Analogue
- Test telephone functionality
- BER test (Bit error rate test)
- D-channel monitoring
- S<sub>2</sub>M for PMX connections (PRI)

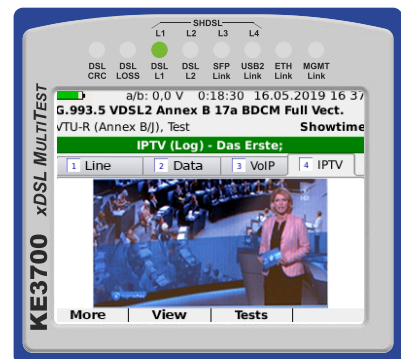
\* on request



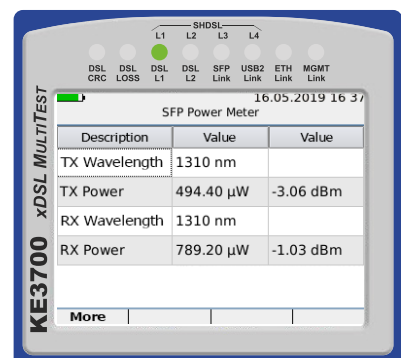
xDSL line values



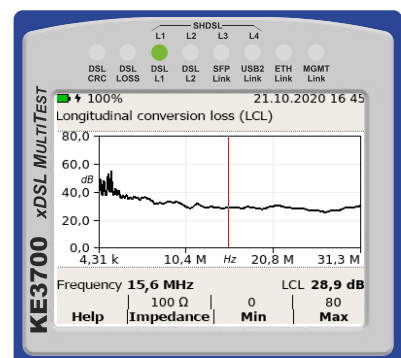
Incoming VoIP call



IPTV function test with preview image



Fibre optics power meter



LCL measurement on a copper wire pair

■■■■	Type	Description
<b>Pakete</b>		
<b>TIP</b> 0.49840-90	<b>KE3700 All-IP / Wi-Fi package</b>	0.49840 <b>KE3700 Base unit</b> ADSL-ADSL2+ Annex A/M or B/J; 0.49830-20 <b>VDSL2 Vectoring / Super Vectoring</b> , Profiles 8a/b/c/d, 12a/b, 17a, 30a, 35b; 0.49830-5 <b>VoIP-Tests / 0.49830-5-10 VoIP MultiCalling</b> ; 0.49830-3 <b>SFP-Port</b> for measurements in optical fibre networks (transceiver optional); 0.49840-17 <b>Wi-Fi Connect</b> , 2.4 / 5 GHz incl. SMA antenna; 0.49840-17-10 <b>Wi-Fi Tests</b> , Terminal mode
<b>TIP</b> 0.49840-91	<b>KE3700 All-IP package</b>	0.49840 <b>KE3700 Base unit</b> ADSL-ADSL2+ Annex A/M or B/J; 0.49830-20 <b>VDSL2 Vectoring / Super Vectoring</b> , Profiles 8a/b/c/d, 12a/b, 17a, 30a, 35b; 0.49830-5 <b>VoIP-Tests / 0.49830-5-10 VoIP MultiCalling</b> ; 0.49830-3 <b>SFP-Port</b> for measurements in optical fibre networks (transceiver optional);
0.49840-93	<b>KE3700 xDSL / LAN tester package</b>	0.49840 <b>KE3700 Base unit</b> ADSL-ADSL2+ Annex A/M or B/J; 0.49830-20 <b>VDSL2 Vectoring / Super Vectoring</b> , Profiles 8a/b/c/d, 12a/b, 17a, 30a, 35b; 0.49830-5 <b>VoIP-Tests / 0.49830-5-10 VoIP MultiCalling</b> ; 0.49830-3 <b>SFP-Port</b> for measurements in optical fibre networks; 0.49420 <b>KE7200 Ethernet FlexiTest</b> Network tester with 2 remote units KE7010, PC software, test cable set and protective bag
0.49840-94	<b>KE3700 xDSL / VoIP / Coppertest package</b>	0.49840 <b>KE3700 Base unit</b> ADSL-ADSL2+ Annex A/M or B/J; 0.49830-20 <b>VDSL2 Vectoring / Super Vectoring</b> , Profiles 8a/b/c/d, 12a/b, 17a, 30a, 35b; 0.49830-5 <b>VoIP-Tests / 0.49830-5-10 VoIP MultiCalling</b> ; 0.49830-13 <b>KECT Coppertest module</b> (Cable multimeter); 0.49830-13-10 <b>HF measurements</b> for line qualification up to 31 MHz
<b>xDSL Test device</b>		
0.49840	<b>KE3700</b>	xDSL MultiTest, xDSL and 1 GbE interface, ADSL 1/2/2+, Annex B/J or A/M. Incl. high-performance battery, power supply unit, test leads and bag.
<b>xDSL / High speed options</b>		
0.49830-20	<b>VDSL2 Vectoring</b>	Upgrade VDSL2 Vectoring, Super Vectoring (VDSL 35b) Profiles 8a/b/c/d, 12a/b, 17a, 30a, 35b
0.49830-30	<b>G.fast</b>	G.fast 106 MHz (ITU-T G.9700/G.9701)
0.49830-40	<b>Bonding</b>	xDSL Bonding (ADSL/2/2+, VDSL2 Profile 17a, 30a) – Annex A only
<b>xDSL Time Trace</b>		
0.49840-21	<b>Time Trace **</b>	Graphical display of parameters over the entire measurement time: Status, Sync, FEC, CRC, SNR margin, Transfer rate, Bitswap, Retransmission
<b>Digital Multimeter</b>		
0.49840-12	<b>DMM</b>	Digital multimeter: Voltage, resistance, capacitance, length
<b>Coppertest upgrades</b>		
0.49830-13	<b>KECT</b>	Line multimeter with high interference resistance, control functions for measuring aids such as KE905
0.49830-13-10	<b>HF / LQ</b>	High frequency (HF) measurements for qualification of copper lines up to 31 MHz (0.49830-13 KECT required)
0.49830-11	<b>TDR</b>	TDR up to 6 km line length at Ø 0.5 mm (0.49830-13 KECT required)
0.49830-13-20	<b>RFL</b>	Resistance fault localization after Murray and Küpfmüller, multisection support (0.49830-13 KECT required)
<b>IP service tests</b>		
0.49830-5	<b>VoIP</b>	VoIP terminal simulation with display of the quality parameters required for assessment xDSL / Ethernet / SFP* / Wi-Fi* / SHDSL*
0.49830-5-10	<b>VoIP MultiCalling</b>	Up to 10 parallel VoIP calls including statistics for xDSL / Ethernet (0.49830-5 VoIP required)
0.49830-6	<b>IPTV</b>	IPTV Set Top Box emulation with display of the quality parameters required for assessment xDSL / Ethernet / SFP* / Wi-Fi* / SHDSL*
0.49830-6-10	<b>IPTV Scan</b>	IPTV channel scan with display of the switching time (0.49830-6 IPTV required)
0.49840-17	<b>Wi-Fi Connect</b>	Connectivity, 2.4 / 5 GHz Wi-Fi management interface. Incl. SMA antenna
0.49840-17-10	<b>Wi-Fi Test</b>	Wi-Fi terminal mode 2.4 / 5 GHz, function and triple play tests (option-dependent, 0.49840-17 Wi-Fi required). Incl. Wi-Fi adapter.
0.49840-15	<b>IP speed test</b>	Speed test with automatic server search. Display of host and target server, upload and download speed as well as ping runtime.
<b>Fibre / Copper module options</b>		
0.49830-3	<b>SFP port</b>	SFP port for SFP copper or SFP fibre transceiver, Digital Diagnostic Mode, optical level / power meter, performance tests, Triple Play tests* (Transceiver optional)
0.49830-3-Soft	<b>SFP activation</b>	Activation of the existing SFP port of the 0.49830-25 ISDN option (0.49830-3 SFP port option is not required)
<b>KE Manager option</b>		
0.49830-15	<b>Real time analysis</b>	Detailed viewing of a running measurement on the PC and evaluation of long-term measurements in replay mode via KE Manager
<b>Symmetrical DSL</b>		
0.49830-26 **	<b>SHDSL **</b>	SHDSL 2 – 8-wire interface

**NEW**

## Unique xDSL availability and activity testers

**KE3100** and **KE3150** – unique, compact & affordable! With the *xDSL Detection Kits*, technicians are able to detect the availability and activity of classic and IP-based DSL connections as well as detect them without contact.

The **KE890/895 xDSL Check** can activate an inactive DSLAM/ISAM at the remote end of a wired line to indicate the availability of a DSL service and the Annex variant which is reported back by the DSLAM 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 such as ADSL or VDSL2 as well as the new SuperVectoring (VDSL 35b) and G.fast technology are supported.

Optionally, on the network operator's or supplier's side, the **KE890/895 xDSL Check** performs the detection of an active xDSL modem at the end of the line. Thus, it can be remotely assessed whether a modem is connected on the customer side.

With the **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 in the switching center, the cable splitter, the house transfer point or the building, can be easily detected.

The Ethernet link test detects active (patched) network connections: it quickly identifies the corresponding port on the switch by using the link blink function.

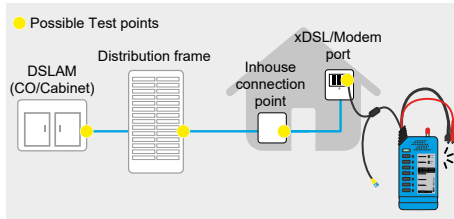
In addition, **KE3150** has an integrated light source (VFL) which is available for visual tests on optical fibre. It can be used to test singelmode/ multimode optical fibre cables visually as well as other components for breaks and continuity. Optical fibre cables in a bunch can be localized and assigned.

**KE3100** and **KE3150** are equipped with a line tracer function in order to identify specific lines in telephony, data, coax and electrical installations carrying a maximum voltage up to 100 V. Cables can be located in cable channels or walls. Wire pairs, even reversals and split pairs can be detected. A continuity test with resistance-dependent tone frequency helps technicians to determine the copper cable's condition.

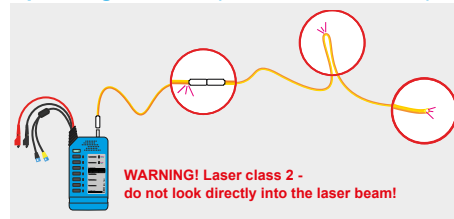


Image shows KE3150

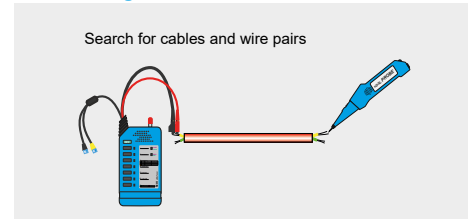
### xDSL Tests



### Optical light source (Visual Fault Locator)



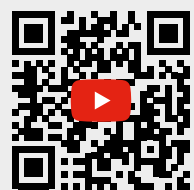
### Line tracing



## At a glance

- xDSL availability test: ADSL, VDSL2, G.fast
- Detection of the Annex variant: DSL/All-IP, DSL/ISDN, DSL/POTS
- Contactless detection of active DSL signals
- Detection of active xDSL modems (CPE) at the far end of the line (optional)
- ETH link test, LAN port finder
- KE3150: Visible light source for fibre optic fault location (VFL)
- Cable finder function

Have a look at our product video!

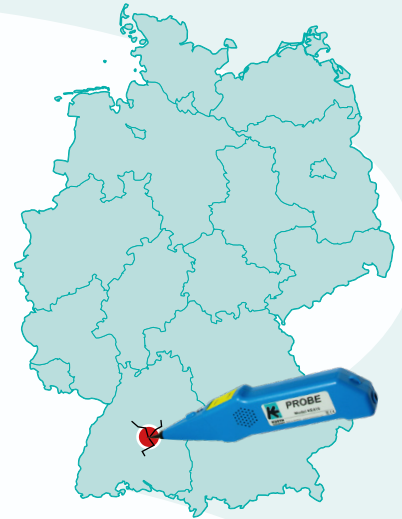


■ ■ ■	Type	Description
0.49800	<b>KE3100</b>	xDSL Detection Kit consisting of: <i>KE890 xDSL Check</i> and <i>KE420 xDSL Probe</i> with protective bag
0.49801	<b>KE3150</b>	xDSL Detection Kit consisting of: <i>KE895 xDSL Check</i> and <i>KE420 xDSL Probe</i> with protective bag
0.49800-MD	<b>Modem detection</b>	Hardware upgrade to activate the test function for Detection of active xDSL modems at the remote end of the line



## Where are we from?

... from the foot of the Swabian Alb,  
just a few kilometers south of Stuttgart...  
... that's from where we send out all our  
**MADE IN GERMANY** devices to the whole world.



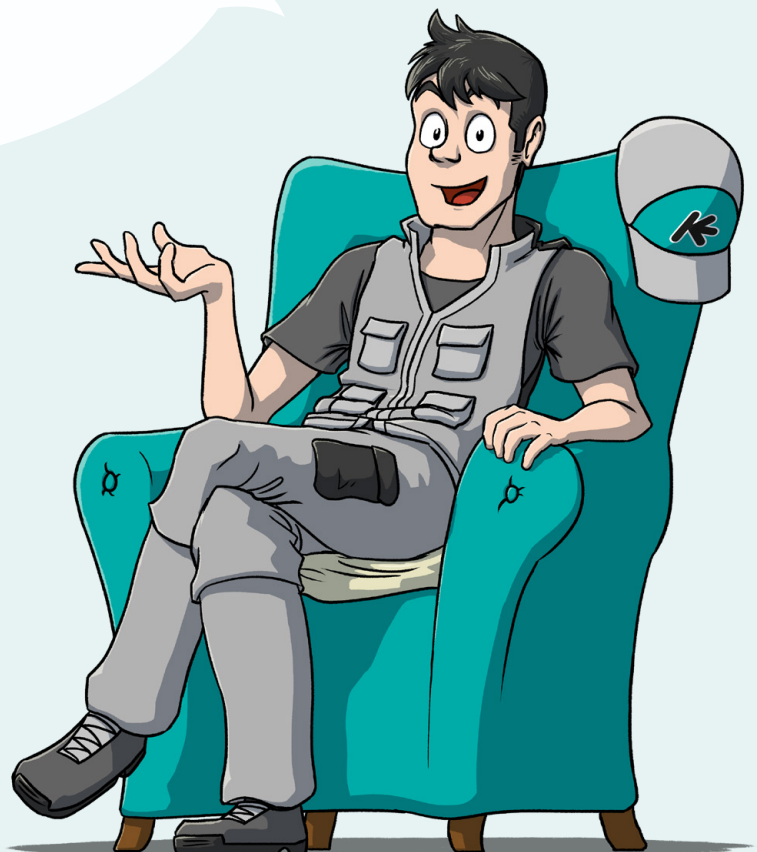
## Where to meet us?

**Trade fairs:** You can find us at numerous trade fairs where we love to introduce you to our latest products and technologies: visit us on [www.kurthelectronic.de/events](http://www.kurthelectronic.de/events) and find out more about your next events.


## Stay up to date!

On our website, LinkedIn, Xing and YouTube you will always find the latest news about Kurth Electronic and our products.

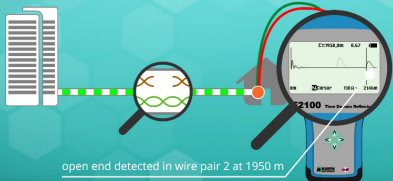
[www.kurthelectronic.de](http://www.kurthelectronic.de)



Visit our **YouTube channel** with product presentations and user videos!



**Comparison measurement**  
detect intact / defective wire pair



open end detected in wire pair 2 at 1950 m

1:28 / 2:56

## The ideal tool for launching tests, troubleshooting and documentation in data and ICT networks

The **KE7200 Ethernet Performance Tester** network tester with memory function is the ideal assistant for commissioning tests, troubleshooting and documentation in data and telecommunications networks – with an outstanding price/performance ratio.

Versatile functions, the large graphic display and intuitive operation enable the user to work efficiently. Long battery runtimes and the robust housing are the perfect prerequisites for daily use.

The KE7200 checks wires and wire pairs of the cable routes for continuity, break, short circuit, interchange and split pair. In the case of short-circuits and interruptions, the KE7200 even determines the distance to the fault location via a precise TDR method. With the user-configurable cable database, unknown cable and wiring schemes are a thing of the past. Up to 32 individual remote units can be managed by the KE7200. The use of multiple remote units saves time and walking distances and thus shortens the measurement time at the customer's site.

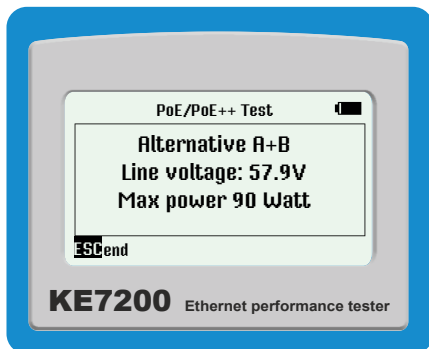
KE7200 checks connections on the availability of Power over Ethernet (PoE, PoE+ and PoE++ as well as LTPoE) and defines the available power via a true load test.

Active network tests, such as the detection of the link speed in 10/100/1000 Mbit networks, the listing of the existing network participants incl. name, IP and MAC address of the participant as well as the configurable ping stress test with detailed statistics, inform the user about the network and the possibly faulty factors.

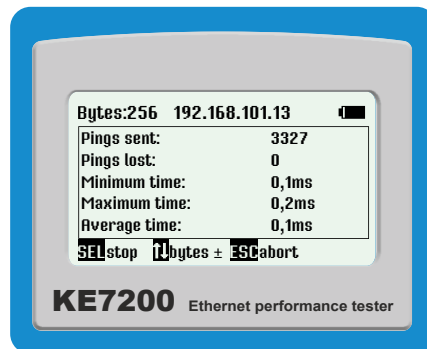
To assign active data ports on the switch of the remote line end, the link LED on the switch is activated with the help of the port finder function. The integrated tone transmission mode enables unambiguous line assignment with unconnected connections by means of the optional Probe P310 search signal receiver.

Ideal for tests in the telecommunications network is the optional software for detecting branches in the in-house telecommunications cabling, which can massively impair the operation of xDSL services due to signal reflection. The KE7200 detects the presence of a branch in the connected 2-wire line and at the same time the distance to the branch.

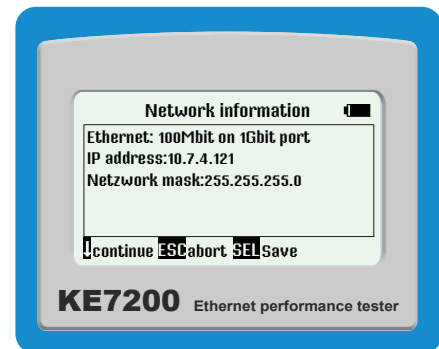
The KE7207 and KE7208 sets are a complete solution consisting of a network tester and line tracer.



PoE test with load test



Configurable ping stress test



Information about the active network

### At a glance

- Detection and localization of cable faults from 1 wire pair upwards
- Store measurements, incl. Ethernet Manager software for creating test reports
- Integrated, configurable cable database from 1 pair upwards telephone incl. Profinet
- Detection of branches in the TC network (bridge taps) – optional
- TDR cable length measurement up to 200 m
- Power over Ethernet load test up to 90 Watts, PoE/+//LTPoE (IEEE802.3af/at/bt)
- Detection of 10/100/1000 MBit connections
- Network scan/ping stress test
- Portfinder function and tone transmission mode
- Overvoltage protection up to 100 V

Have a look at our product video!



■■■■	Type	Description
0.49420	<b>KE7200</b>	Active network tester with 2 remote units KE7010, PC software, test cable set and protective bag
0.49420-100	<b>Bridge Tap</b>	Software option for the KE7200 for the detection of Bridge Taps in the building's internal telecommunications cabling. Determines the presence and distance to the branch.

## Network test set with extensive accessories

### KE7200 PRO Kit

Set of KE7200 network tester with memory function and extended accessories. The **KE7200 PRO Kit** contains 4x KE7010 remote unit, the Probe P310 serves as a search signal receiver of the KE7200's audio transmit mode and allows line tracing and mapping.



■ ■ ■	Type	Description
0.49421	<b>KE7200 PRO Kit</b>	Active network tester with 4 remote units KE7010, search signal receiver Probe P310 (blue), PC software, test cable set and protective bag

### KE7010 Remote

### Ethernet FLEXITEST series

**KE7010 Remote Unit** for KE7100 and KE7200.

### Auf einen Blick

- LED visual indication for OK/not OK
- Remote number freely programmable
- Up to 32 remotes can be used for KE7100/KE7200



■ ■ ■	Type	Description
0.49415	<b>KE7010</b>	Remote unit, remote number freely programmable

### Professional network and cable finder kits

### Ethernet FLEXITEST series

## Professional sets for testing and troubleshooting ICT networks

**Professional sets for installation and troubleshooting, with the capability to create individual measurement protocols. The perfect solution for efficient work in active and passive ICT networks.**

### KE7207

KE7207 consists of the active network tester **KE7200** with memory function and the line finder kit **KE701 Telco**. It comes in a shockproof protective case including test cables, PC software and batteries. KE701 Telco also enables user to find cables and wire pairs in the shortest time possible without any touch and allows the use in telephony, network and voltage-free electrical installations.

### KE7208

KE7208 consists of the active network tester **KE7200** with memory function and the line finder kit **KE801 Fibre & Copper**, which enables the user to use the optical fibre continuity tester with modulable laser, in addition to cable and wire pair identification, for the visual inspection of optical fibre connections.



■ ■ ■	Type	Description
0.49452-7	<b>KE7207</b>	Active network tester and cable finder kit in a protective case consisting of: KE7200, 2 Remote Units KE7010, KE701 Telco, PC Software, test cable set, batteries
0.49452-8	<b>KE7208</b>	Active network tester and cable finder kit in a protective case consisting of: KE7200, 2 Remote Units KE7010, KE801 Fibre & Copper, PC Software, test cable set, batteries



		KE7200	KE7000
■ default   □ available optionally   – not available			
	Easy to read display with clear visualization of cable status	■	■
	Checks cabling for interruption, continuity, short circuit, interchanging, shielding	■	■
	Detection of split pair errors	■	–
	Testing of the wiring with pin and pair assignment (Wiremap)	■	–
	Measurement of the wire length and distance to the fault up to 200 meters (TDR function)	■	–
	16 preset wiring profiles and cable types, own profiles can be created in the device	■	–
	PoE / PoE+ / PoE++ / LTPoE availability and load tests according to IEEE802.3af/at/bt	■	–
	Active network identification, link-blink function and transmission of search tones (with optional Probe)	■	–
	Active network test with static IP or DHCP and 10 / 100 / 1000 MBit/s detection	■	–
	Network scan with list of active participants with name, IP and Mac address	■	–
	Continuous ping of individual addresses with indication of packet losses / response times for stress test	■	–
	Stores cable tests and network information and allows the creation of individual measurement protocols	■	–
	Up to 32 active configurable remote units / number of bundled units	■ / 2	–
	Optional: Bridge Tap detection for 2-wire lines (4–5)	□	–
	Overvoltage protection	100 V	60 V
	Quality Made in Germany	■	■

KE7200 Ethernet Manager

Ethernet FLEXiTEST series

The cable measurements and active network information stored on the KE7200 can be managed and edited with KE's free PC software. Kurth Electronic's PC-software **Ethernet Manager** provides detailed information on cable lengths, cable faults and active network participants and allows the creation of customer-specific measurement protocols.

### Test report

Customer: Kurth Systemhaus  
Address: Lange Gasse 1  
7851 Mastenhausen

1_ID: 2	Date: 21.07.2017	Operator: Hans Meier	Comment: First Floor Workspace Mr. Weber 1/1	Meas name: Test 1	Cable type: UC300 HS23 S/F	Tested to: 568B STP	Length: 36,2 m	Result: OK	0 Error(s) found	real required
2_ID: 2	Date: 21.07.2017	Operator: Hans Meier	Comment: First Floor Workspace Mrs. Winter 1/2	Meas name: Test 2	Cable type: UC300 HS23 S/F	Tested to: 568B STP	Length: 36,2 m	Result: NOT OK	3 Error(s) found	real required
3_ID: 2	Date: 21.07.2017	Operator: Hans Meier	Comment: First Floor Workspace Sales 1 1/3	Meas name: Test 3	Cable type: UC300 HS23 S/F	Tested to: 568B STP	Length: 36,1 m	Result: NOT OK	2 Error(s) found	real required

Nr.	Name der Messung	Verdrahtung	Fehler 1	Fehler 2	ID/ Raum	Datum	Speichername
1	OBJEKT MUELLER	568A STP	No error	No error	2	09.02.2016	OBJEKT MUELLER_0000
2	OBJEKT MUELLER	568A STP	Open	No error	2		OBJEKT MUELLER_0001
3	OBJEKT MUELLER	568A STP	Wrong connection	Wrong connection	2		OBJEKT MUELLER_0002
4	OBJEKT MUELLER	568A STP	Wrong connection	Wrong connection	2		OBJEKT MUELLER_0003
5	OBJEKT MUELLER	568A STP	No error	No error	2		OBJEKT MUELLER_0004
6	OBJEKT MUELLER	568A STP	Open	No error	2		OBJEKT MUELLER_0005
7	OBJEKT MUELLER	568A STP	Open	Open	2		OBJEKT MUELLER_0006
8	OBJEKT MUELLER	568A STP	Open	Open	2		OBJEKT MUELLER_0007
9	OBJEKT MUELLER	568A STP	No error	No error	2		OBJEKT MUELLER_0009
10	OBJEKT MUELLER	568A STP	Open	Open	2		OBJEKT MUELLER_0010
11	OBJEKT MUELLER	568A STP	Short	No error	2		OBJEKT MUELLER_0011
12	OBJEKT MUELLER	568A STP	Short	No error	2		OBJEKT MUELLER_0012
13	OBJEKT MUELLER	568A STP	No error	No error	2		OBJEKT MUELLER_0013

Name: OBJEKT MUELLER  
 Customer: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Comment: \_\_\_\_\_  
 Operator: \_\_\_\_\_

Cable type: DRAKA UC500 C6A  
 Type of test: 568A STP  
 Length: 32.4 m / 106.4 ft  
 Sum Cable: 627.6 m / 2059.0 ft  
 Length of all visible tests: \_\_\_\_\_

Remote connector diagram showing 8 pins (1-8) and 8 shields (S).

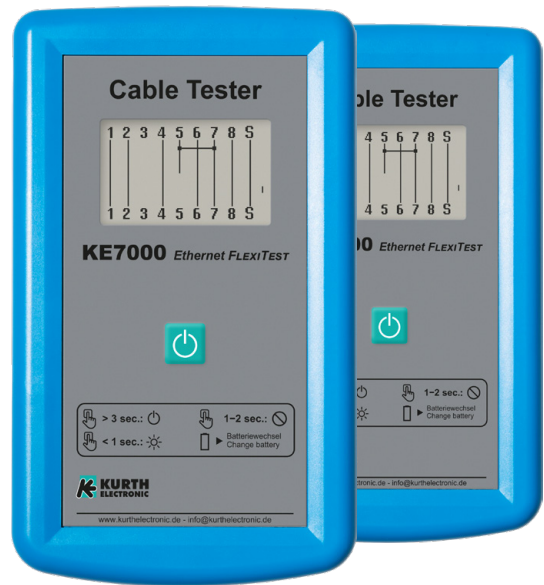
4 Error(s) found (Pin(s) proper):  
 Wrong connection 4 - 1 ==> 4  
 Wrong connection 5 - 2 ==> 5  
 Wrong connection 1 - 4 ==> 1  
 Wrong connection 2 - 5 ==> 2

## Cost-efficient cable testers Made in Germany

The **KE7000** is a cost-effective tester for patch, LAN and telecommunication cabling as well as for coaxial cables by means of an optional adapter. Unshielded and shielded connection cables with twisted pairs (UTP and STP cables) in installed networks as well as patch cables can be tested and verified. Coaxial cables with BNC and F sockets can be tested for continuity using the RJ45 coax adapter. One unit is automatically configured as master and one as slave. The advantage of using two master units is that the status of the tests can easily be read on **both** devices to simplify and speed up the measurement process. With a battery life of up to 100 hours, the measuring operation rarely needs to be interrupted.

Occurring errors such as interchanges, interruptions, short circuits and shielding faults are indicated on the graphic displays of the units. There is no need for cumbersome recording of flashing and illuminated LEDs. The KE7000 provide clear, fast and immediately evaluable status information on both sides on the LCD displays for cable lengths up to approx. 150 m.

If external voltage is present on the cables to be tested, a warning is given and the polarity of the pins is displayed. The units are protected against accidental contact with telephony supply voltage or PoE (Power over Ethernet) up to 60 V.



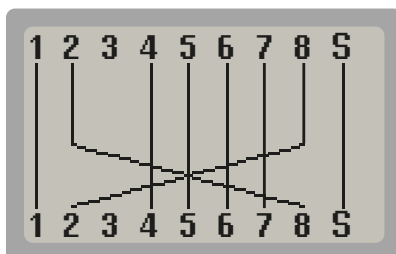
### At a glance

- **Tests:**  
Phone (RJ11), data (RJ45) and optionally Coax lines
- **Tests for:**  
Continuity, open, short, reversals, shield and shows multiple faults
- Device pair shows error on both sides
- Detection of active switches at remote line end
- Clear display of cable status
- Overvoltage protection up to 60 V
- Cost-effective and robust

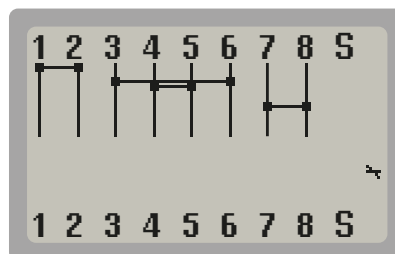


Coax adapter set available optionally

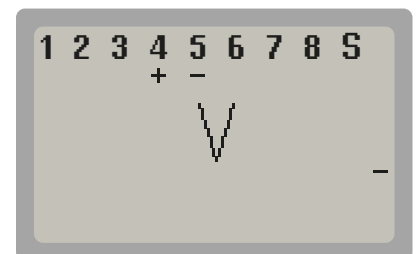
Have a look at our product video!



Pin 2 and 3 twisted, break at pin 3



Active switch at remote end of the line



Voltage display incl. polarity display

Item No.	Type	Description
0.49470	<b>KE7000 Cable tester set</b>	Cable tester set, consisting of 2x KE7000
0.57485-10	<b>Adaptor RJ45-Coax</b>	Adaptor-Set RJ45 to Coax, consisting of 2 pcs. of each Connector, RJ45 to BNC as well as BNC to F-Female

## The ideal basic equipment for troubleshooting in ICT networks

The KE7000 cable tester and cable finder sets **KE7701** and **KE7801** are the must-have equipments for all technicians looking for cables and faults in telephone and data networks.

The **KE7701** set combines two **KE7000** with the **KE701 Telco Kit**. In addition to two crocodile clips, this has an RJ11 and an RJ45 plug for detecting active network connections and assigning the active data port on the e.g. switch. A continuity test with LED and resistance-dependent tone enables a quick assessment of the cable condition. The KE701 Telco Kit is protected against accidental contact of 230 V mains voltage through an overvoltage protection up to 350 V AC / 500 V DC.

On top: The **KE7801 set** with the unique KE801 Fibre & Copper Kit extends the functions with a red light source. It enables visual continuity testing in fibre optic networks (VFL).



Image shows KE7701

## Product matrix

## Ethernet FLEXiTEST series

	KE7701	KE7801
KE7000 Cable tester set	■	■
RJ11 connector/Crocodile clips	■	■
RJ45 connector	■	■
Data port test/Portfinder function	■	■
Continuity test/Resistance test	■/■ LED/Ton	■/■ LED/Ton
Overvoltage protection (KE7000*/KE701**)	60 V*/350 V AC/500 V DC**	60 V*/350 V AC/500 V DC**
Integrated laser light source (VFL)	-	■

■ ■ ■	Typ	Artikelbezeichnung
0.49470-7	<b>KE7701 Cable tester set</b>	Cable Tester Set, consisting of 2x KE7000 + KE701 Telco Line Tracer Kit incl. carrying case, batteries and adaptor set RJ45-Coax
0.49470-8	<b>KE7801 Cable tester set</b>	Cable Tester Set, consisting of 2x KE7000 + KE801 Fibre & Copper Line Tracer Kit incl. carrying case, batteries and adaptor set RJ45-Coax



## Universal optical power meter

### KE8000

The **KE8000 optical power meter** is a high quality and easy to use meter for testing optical networks and allows quick testing of fibre power and attenuation.

### At a glance

- Attenuation measurement from 800- 1700 nm and measuring range from -70 to +3 dBm
- For single and multimode fibres
- Absolute power measurement in dBm
- Variable measuring adapter system SC, ST and FC (PC)
- LCD with backlight
- For LAN, WAN, Telecom
- Factory calibrated



Have a look at our product video!



■ ■ ■ ■	Type	Description
0.49110	<b>KE8000</b>	Optical power meter for single and multimode fibres

## Robust multimode light source

### KE8100

With stable laser signals, the **KE8100 optical light source** support the determination of fibre loss and continuity, when evaluating the transmission quality of multimode fibres.

### At a glance

- Optical light source for multimode: 850 and 1300 nm
- Variable measuring adapter system SC, ST and FC (PC)
- Robust, handy and easy to operate
- Adaptation to other plug connections possible
- For LAN, WAN
- Factory calibrated



## Robust singlemode light source

### KE8200

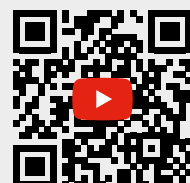
With stable laser signals, the **KE8200 optical light source** support the determination of fibre loss and continuity, when evaluating the transmission quality of singlemode fibres.

### At a glance

- Optical light source for singlemode: 1310, 1490 and 1550 nm
- Variable measuring adapter system SC, ST and FC (APC)
- Robust, handy and easy to operate
- Adaptation to other plug connections possible
- For Telecom, PON
- Factory calibrated



Have a look at our product video!



■ ■ ■ ■	Type	Description
0.49120	<b>KE8100</b>	Optical double light source for multimode fibres 850 and 1300 nm
0.49130	<b>KE8200</b>	Optical triple light source for singlemode fibres (1310, 1490 and 1550 nm)

## Powerful red light source

### KE850

The compact red light source **KE850 EasyPoint** is your perfect helper for daily use in optical LAN and telecom networks.

### At a glance

- Power < 400 µW, 650 nm wavelength
- Visual continuity test (VFL), up to 5,5 km range
- Continuous light and pulsating mode selectable
- Universal connection with high-quality ceramic ferrule (2.5 mm)
- Adapter for 1,25 mm, SMA and POF available



Item	Type	Description
0.49100	<b>KE850</b>	EasyPoint red light source 650 nm, in a case, batteries
1400070	<b>Fibre adapter</b>	Fibre adapter for 2,5 mm connection socket to 1,25 mm
1400078	<b>Fibre adapter</b>	Fibre adapter for 2,5 mm connection socket to POF
1400088	<b>Fibre adapter</b>	Fibre adapter for 2,5 mm connection socket to SMA

## Fibre test sets

## Ideal basic equipment for inspection tasks in optical networks

### KE8001 – KE8083

Optical measuring kits – with and without KE850 red light source – for easy and fast attenuation measurement and fault detection during installation and maintenance in optical TC and IT networks.

The sets include the KE8000 universal optical level meter for 850/1300/1310/1490/1550/1625 nm wavelengths and optionally the KE8100 multimode light source for 850 nm and 1300 nm and/or the KE8200 singlemode light source for 1310 nm, 1490 nm and 1550 nm wavelengths.

All sets are also available with the KE850 EasyPoint red light source.

Item	Type	Description
0.49125	<b>KE8001</b>	Set consisting of KE8000, KE8100 MM
0.49125-8	<b>KE8081</b>	Set consisting of KE8000, KE8100 MM, KE850
0.49135	<b>KE8002</b>	Set consisting of KE8000, KE8200 SM
0.49135-8	<b>KE8082</b>	Set consisting of KE8000, KE8200 SM, KE850
0.49150	<b>KE8003</b>	Set consisting of KE8000, KE8100 MM, KE8200 SM
0.49150-8	<b>KE8083</b>	Set consisting of KE8000, KE8100 MM, KE8200 SM, KE850



Image shows KE8083

Test set		KE8001	KE8081	KE8002	KE8082	KE8003	KE8083
Fibre type		Multimode	Multimode	Singlemode	Singlemode	Single-/Multimode	Single-/Multimode
Application	LAN/WAN	■	■	■	■	■	■
	Enterprise	■	■	■	■	■	■
	Access	-	-	■	■	■	■
	FTTx	-	-	■	■	■	■
	PON	-	-	■	■	■	■
	Metro	■	■	■	■	■	■
	Carrier Ethernet	■	■	■	■	■	■
	Telecom	-	-	■	■	■	■

## Multifunctional line tracers

### KE301 – KE801

The cable finder kits consist of **EasyTest** and **Probe** and enable any technician to find any type of cable, wires and wire pairs in the shortest possible time without contact and without time-consuming stripping work. During this process, faults such as interchanges, overdrafts, interruptions and other faults in the cable are detected. The cable tracers can be used for all types of cables such as telephone cables, bell cables, data cables of all classes, coaxial cables and voltage-free electrical cables.

Feeding the search signal onto active telecommunication lines with up to 100 V voltage as well as numerous other functions make these devices a popular tool for installation companies.

### KE301 Classic Kit

- For searching in telephone cabling and for wire pair identification
- RJ11 plugs & crocodile clips
- 120 V AC overvoltage protection



### KE401 IT Kit

- For IT & telephone cabling and wire pair identification
- RJ11/RJ45 plugs & crocodile clips
- **Data port test with portfinder function**
- ISDN signal identification with Probe
- 120 V AC overvoltage protection



### KE501 Elektro Kit

- For electrical installations and cable identification
- 35 cm long fully insulated test cords with banana plugs and extra strong crocodile clips
- **500 V DC / 350 V AC overvoltage protection\***



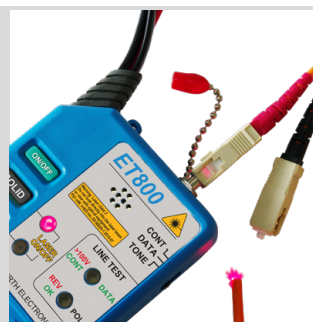
### KE701 Telco Kit

- For IT & telephone cabling and wire pair identification
- RJ11, RJ45 and 2x banana plugs with crocodile clips
- continuity test with LED and sound signal, resistance-dependent
- **Data port test, portfinder function**
- ISDN signal identification with Probe
- **500 V DC / 350 V AC overvoltage protection\***




### KE801 Copper & Fibre unique worldwide

- **Includes the functionality of the KE701**
- For IT & telephone, fibre optic and copper cable search and wire pair identification
- RJ11, RJ45 and 2x banana plugs with crocodile clips
- **Red light source with 1 mW for fibre optic lines < 5 km**
- Universal 2.5 mm ferrule for FO
- **500 V DC / 350 V AC overvoltage protection\***





	KE301 Classic	KE401 IT	KE501 Electric	KE701 IT/Telephone	KE801 Fibre & Copper	KE601 Electric
<b>Ideally suited for</b>	Telephone	IT/Telephone	Electric passive	IT/Telephone	IT/Telephone/ Fibre	Electric active
Transmitter with crocodile clips and RJ11	■	■	Crocodile/Plug	■	■	Crocodile/Plug Power outlet
Signal feeding on active line 100 V	■	■	■	■	■	■
RJ45 plug with data port finder	-	■	-	■	■	-
Integrated laser light source (Class II) FO	-	-	-	-	■	-
Line tracing under 230 V mains voltage	-	-	-	-	-	■
Overvoltage protection	120 V AC/DC	120 V AC/DC	500 V DC / 350 V AC	500 V DC / 350 V AC	500 V DC / 350 V AC	250 V CAT III
Continuity test/Resistance measurement	■/■ LED	■/■ LED	■/■ LED	■/■ LED/Tone	■/■ LED/Tone	-
Visual signal indicator on the receiver	■	■	■	■	■	■
LED flashlight function	■	■	■	■	■	-
Stable, impact-resistant ABS case	■	■	■	■	■	■
Made in Germany	■	■	■	■	■	-

■■■■	Type	Description
0.49562	KE301	Cable and line tracer kit consisting of EASYTEST300 and PROBE310 with belt pouch
0.49563	KE401	Cable and line tracer kit consisting of EASYTEST400 and PROBE410 with belt pouch
0.49564	KE501	Cable and line tracer kit consisting of EASYTEST500 and PROBE510 with belt pouch
0.49567	KE701	Cable and line tracer kit consisting of EASYTEST720 and PROBE410 with belt pouch
0.49568	KE801	Cable and line tracer kit consisting of EASYTEST800 and PROBE410 with belt pouch

Have a look at our product video!



**NEW**

## Fuse detector kit for live lines

The line tracer set **KE601 Electric**, consisting of the transmitter EasyTest600 and the signal receiver Probe610, was developed for intuitive and quick work in active electrical installations.

The ferrite transducer test tip with automatic adjustment of the signal sensitivity at the push of a button allows the user to achieve the desired search results after only a short use of the signal receiver. In addition to the acoustic signal evaluation, the 6-stage visual display of the signal strength on the Probe610 also helps the user during localisation.

For testing, the EasyTest600 transmitter is connected via a connection cable to the circuit to be tested, which simultaneously supplies the device.

A mains cable and a test probe set with crocodile clips and safety plugs are available to the user as connection options. Localisation is possible up to a cable length of several hundred metres without affecting other devices.

In addition to the test leads, the scope of delivery also includes a high-quality device bag.



### At a glance

- Localisation of fuses / circuit breakers in active electrical installations
- Acoustic and visual signal identification
- Automatic receiver sensitivity adjustment at the touch of a button
- Range over several hundred metres cable length
- Connection via mains plug, crocodile clips or safety plug

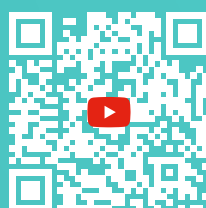


■ ■ ■ ■	Type	Description
0.49566	<b>KE601 Fuse Detector</b>	Fuse Detector kit, consisting of ET600 transmitter, P610 receiver, test leads and bag

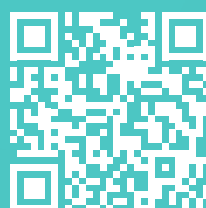
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Newspaper



Product videos



Website



## Universal measuring device for cable fault location

The **KE2100** is a compact and handy cable fault locator with symmetrical search signal, perfectly suited for locating faults in all types of cables without service, such as twisted pair cabling, telecommunication twisted pairs as well as coaxial and electrical. The short dead zone and the high range of up to 14 km allow versatile use of this handy TDR.

Several output impedances (50, 75, 100, 125  $\Omega$ ) are available in an automatic as well as manual setup and numerous measuring ranges from 0.3 to 14 km are selectable.

The integrated and expandable cable database contains numerous cable variants with the corresponding shortening factor (VF). During a measurement, either one or two cursors are available, making it easy to measure distances between two events.

To freeze a trace and view it in detail or to compare two measurements, the KE2100 has a freeze and overlay function.

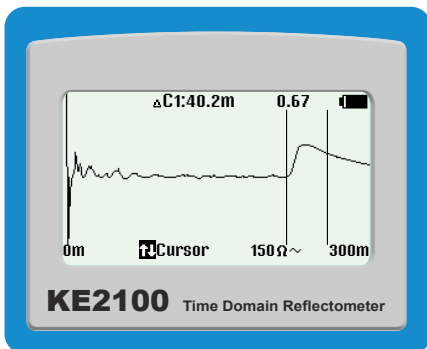
The KE2100 has a high-resolution display that is easy to read even in bright sunlight, so that even small events can be easily recognised and measured.

Measurement results can be stored in the unit and transferred via Bluetooth to a PC/laptop via Bluetooth. The free management software is used to manage the transferred measurement results of the internal cable database and to create measurement protocols, as well as for software updates.

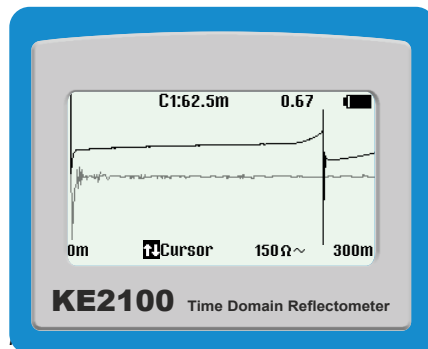


### At a glance

- AUTO mode for immediate use
- Can be used with all types of symmetrical cables
- Maximum cable length up to 14 km/80 dB
- Freeze and comparison function
- Connection via 2x 4 mm safety banana plugs
- Resolution up to 0.3 m
- High-resolution, graphic display
- Battery life up to approx. 30 hours via 4x AA (LR6) batteries
- Sturdy ABS housing, IP52
- Storing measurements and data transfer via Bluetooth

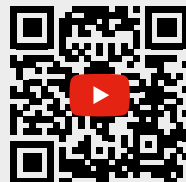


Two cursors facilitate the evaluation



„Frozen“ measurement compared to a new measurement

Have a look at our product video!



■ ■ ■	Type	Description
0.49210	<b>KE2100</b>	Time Domain Reflectometer up to 14 km, test cords, PC software and carrying case
0.57488	<b>Adapter BNC</b>	Adapter 2x banana /plug to BNC Coax



# Measurement helpers to simplify cable fault measurement

## KE901 Line test assistant

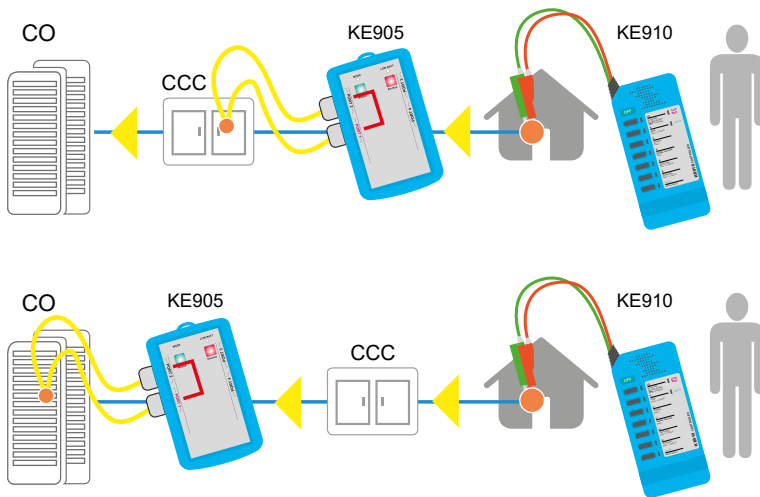
The **KE901 Measurement Helper Set**, consisting of the electronic line switch **KE905** and the **KE910 controller**, is a real time and cost saving device when it comes to cable fault measurements or the simplification of tests in the line qualification of telecommunications pairs.

### At a glance

- Set consisting of KE905 Remote and KE910 Controller
- Switching bridges and switching lines remotely
- 4 pairs of cables or 3 measuring devices can be connected
- Customer line remains in service until measurement starts
- Remote switching up to 12 km possible
- Switching functions are confirmed acoustically and visually
- No influence on the lines up to 31 MHz
- Works with any test device



KE910 Controller      KE905 Remote



Have a look at our product video!

## KE905 Remote

**KE905 Remote** is a remotely controllable line switch. Ideal in combination with KE's copper testing devices.

### At a glance

- KE905 Remote
- Compatible with KE3700 + KECT, KE3550 + KECT, KE3700 CT and KE2500, direct control commands to the KE905
- Switching bridges and switching lines remotely
- 4 pairs of cables or 3 measuring devices can be connected
- Customer line remains in service until measurement starts
- Remote switching up to 12 km possible
- No influence on the lines up to 31 MHz



■ ■ ■ ■	Type	Description
0.49620	<b>KE901</b>	KE905 Remote + KE910 Receiver, test cable set, protective pouch
0.49620-10	<b>KE905</b>	KE905 Remote for KECT, KE2500 and KE3700 CT

# Final sale: Last chance!

Save on select devices – as long as stocks last!

ny +++ Made in Germany +++ Made in Germany +++ Made in Germany +++ Made in Germany +++ M

Art.-No. 0.49310



## TP09D Water-proof test telephone

- Analogue test telephone, protected in accordance with IP54
- Voltage, current and polarity display
- Direct flash button / pulse and tone dialing
- Monitor with active and passive line
- DTMF evaluation in monitor mode
- Shows calling number: Caller ID (CID) and Message Waiting Indicator (MWI)
- Call number memory and much more



Product page

Art.-No. 0.49250



## KE2500 Telco multimeter with auto tests

- Measurement of voltage AC/DC incl. AC frequency, line resistance and loop resistance with high interference immunity and calculation of line length
- Insulation and scattering loss, capacitance and capacitance symmetry, ground line resistance, AC/DC current
- Unbalance loss (LCL) at 1 MHz, NEXT at 1 MHz
- PPA and signature detection
- Automatic line measurement with / without meas. assistant e.g. KE905
- Integrated, editable database of common cable types
- Display of measurement results as QR code or plain text
- Internal memory for measurement results



Product video

Art.-No. 0.49610




















## TalkSet Analogue test headset











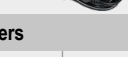
- For installation, commissioning and troubleshooting
- Disturbance-free in-house communication
- Talk mode or high-impedance monitor
- Set consisting of a device pair







Product page

## Accessories






Image	Type	Description
<b>Accessories KE3700 and KE3550</b>		
0.57962	Wi-Fi adapter	 USB WiFi adapter
0.49840-16	Car charger plug	 Car charger plug 12 V 1,5 A
0.57451-02	Protective glass, tempered	 Hardened scratch-resistant display protection (hardness 9H)
0.57740-10	Shoulder strap	 High-quality shoulder strap with Kurth Electronic logo
0.49840-19EU	Power supply 12 V	 Power supply 220/110 V AC to 12 V, 2.0 A, EU version with interchangeable EU adapters (Not compatible with KE3600/KE3500)
<b>SFP accessories KE3700</b>		
0.57102	SFP-RJ	 10/100/1000Base-T SFP measuring insert for Gigabit Ethernet with RJ45 socket
0.57103	SFP-850	 1000Base-SX SFP measuring insert with DDM (Digital Diagnostic Monitoring) for Gigabit Ethernet, 850 nm MMF, 550 m with LC duplex socket
0.57104	SFP-1310	 1000Base-LX SFP measuring insert with DDM (Digital Diagnostic Monitoring) for Gigabit Ethernet, 1310 nm SMF, 20 km with LC duplex socket
0.57105	SFP-1550	 1000Base-ZX SFP measuring insert with DDM (Digital Diagnostic Monitoring) for Gigabit Ethernet, 1550 nm SMF, 40 km with LC duplex socket
<b>Accessories KE7200 and KE7100</b>		
0.49416	KE7010 Kit	 4 remote units, 4x short patch cable, protective bag
0.49417	KE7010 PRO Kit	 4 remote units, Probe310, 4x short patch cable, protective bag
<b>Accessories KE7000</b>		
0.57485	Adapter set RJ45-Koax	 Adapter set RJ45 to Coax, consisting of 2 pcs. of each Connector, RJ45 to BNC as well as BNC to F-Female
<b>Accessories KE301 – KE801</b>		
0.49700	Breakout adapter	 Breakout adapter set consisting of 6/8-pin RJ adapters for cables with RJ11/RJ45 connectors and breakout adapter with TAE-RJ11 adapter for RJ11 plug
0.57773-VPE	Spare tips	 Test tips for PROBE 310/410/510 built 2009 or later, in packs of 3 pieces
<b>Accessories KE2093</b>		
A1019	Current clamp	 Current clamp 1000 A/1 A; connection to KE2093 Line Tracer in conjunction with A1068
A1074	Current clamp	 Current clamp 1000 A/0.2 A; connection to KE2093 Line Tracer in conjunction with A1068
A1068	Connecting cable	 Connection cable for current clamps A1019/A1069/A1074 for connection to KE2093 Line Tracer

■■■	Type	Description
<b>Test leads</b>		
0.57727-10	Test lead	 Test lead RJ11 to banana plug with crocodile clips, length 1.5 m
0.57738	Test lead	 Test lead RJ11 to RJ45, length 1.5 m
0.57408-1500	Patch cable	 Patch cable RJ45, length 1.5 m
0.57408-0500	Patch cable, short	 Patch cable RJ45, length 50 cm
0.57407-0150	Patch cable	 Patch cable RJ45, length 15 cm
0.57890-1500	Copper test lead	 High-quality, symmetrical test lead for copper tests, national version, length 1.5 m
0.57890-0750	Copper test lead	 High-quality, symmetrical test lead for copper tests, national version, length 0.75 m
0.57930	Adapter cable TAE / banana sockets	 Adapter cable TAE 2-pole, unencoded to banana sockets, length 20 cm
0.57947	ISDN test lead	 Test lead RJ45 to RJ45 ISDN cross-over, length 2 m, red
0.57945	Test lead	 SHDSL cable RJ45 to 8x banana
0.57946	Test lead	 SHDSL cable RJ45 to 4x RJ45

#### Fibre optic patch cables and adapters

Measuring cable SM 2 m, simplex		Measuring cable MM 2 m, simplex		Coupling Fibre, simplex		Plug-in adapters (also for KE801, 3150) Fibre, metal	
							
■■■	Type	■■■	Type	■■■	Type	■■■	Type
0.57130	SC/PC–SC/PC	0.57134	SC/PC–SC/PC	0.57138	SC–SC (Plastic)	1400070	2,5 mm–1,25 mm
0.57131	SC/PC–LC/PC	0.57135	SC/PC–LC/PC	0.57139	LC–LC (Plastic)	1400078	2,5 mm–POF
0.57132	SC/PC–ST/PC	0.57136	SC/PC–ST/PC	0.57128	ST–ST (Metal)	1400088	2,5 mm–SMA
0.57133	SC/PC–FC/PC	0.57137	SC/PC–FC/PC	0.57127	FC–FC (Metal)		

#### Protective bags and equipment cases

0.57613	Protective bag		Protective bag with device and cable compartment, suited for KE7100 and KE7200, including shoulder strap
0.57618	Protective bag, small		Protective bag with 1 equipment / cable compartment, small version, width x height x depth 30 cm x 14 cm x 16 cm
0.57620	Protective bag, big		Protective bag with 4 equipment / cable compartments, large design, width x height x depth 38 cm x 20 cm x 20 cm
0.57605	Equipment case		Equipment case blue with Kurth Electronic imprint, for storage of <i>EASYTEST</i> - (KE301-KE801), <i>FLEXITEST</i> - (KE7100–KE7200) or <i>FIBRETEST</i> - (KE8000–KE8200) equipment. Including matching foam inlay (specify the inlay type when ordering). Dimensions 34 x 27,5 x 8,3 cm.
0.57606	Equipment case, big		L-Boxx 136 (Sortimo) Allround-Box black, including lid inlay and cutting inlay set as well as templates for cutting to size. Suited for accommodating the devices of the <i>MULTITEST</i> -, <i>FLEXITEST</i> - und <i>FIBRETEST</i> -series. Dimensions 44.5x35.8x 15.2 cm



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