

Active Ethernet LAN Testing

The **KE7200 Ethernet Performance Tester** is the ideal tool for commissioning tests, troubleshooting and documentation in networks with an outstanding price/performance ratio

KE7200



At a glance

- Wire-mapping and precise fault location
- Integrated cable database starting from 1 pair telephone
- Recognition of branches (Bridge Taps) - optional
- Measures cable lengths up to 150 m (TDR)
- Power over Ethernet test according to IEEE802.3af/at/bt standard
- Tests LAN using static IP or DHCP up to 1 Gbit
- List of active LAN devices and continuous ping test
- Master/Remote overvoltage protected up to 100 V AC
- Stores data and print out of test reports



Versatile functions, the large graphical display and intuitive operating enable the user to work efficiently. Long battery life and a rugged housing are the perfect conditions for daily use.

The **KE7200** tests the wires and wire pairs of the cable for continuity, open, short, interchange and overdraft (Split Pair) and simultaneously determines cable length and distance to the fault in short circuit and interruption testing.

With the internal user-configurable cable database, unknown cable and wiring schemes belong to the past. Up to 32 individual remote units can be managed from the **KE7200** simultaneously.

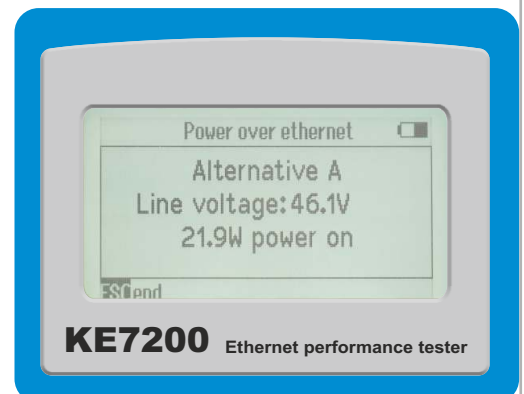
The device checks connections on the availability of Power over Ethernet up to Four-Pair-Power-over-Ethernet 90 watts (PoE, PoE+ and PoE++) and determines the available power.

PoE standard		power for each port	usable power
PoE	IEEE 802.3af	15.4 W	12.95 W
PoE+	IEEE 802.3at	25.4 W	21.90 W
PoE++ / 4PPoE	IEEE 802.3bt	38.7; 52.7; 70 and 90 W	34.8; 47.4; 63 and 81 W

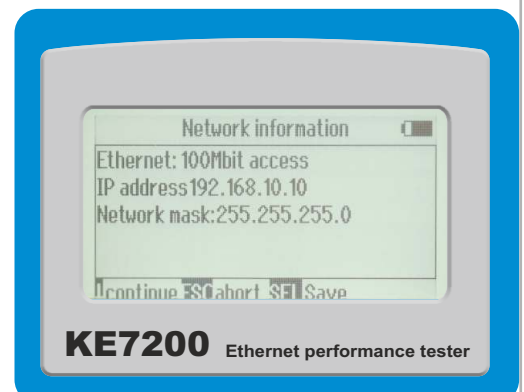
Active network tests such as the speed detection up to 1 GBit/s of the network connection, listing the existing network subscribers with Name, IP and MAC address as well as the configurable ping stress test with detailed statistics, information on the network and possibly faulty components.

Identifying data ports with the port finder function activates the link-LED on the switch and the integrated trace tone signal allows using the optional PROBE310 for cable tracing.

The supplied Ethernet Manager software allows to create measurement reports and to maintain cable tests and network information.



PoE / PoE+ / PoE++ test with determination / display



Detecting the network subscriber

Ethernet-Manager

Cable measurements and information about the Ethernet performance can be stored and transferred to a PC or laptop. The included Windows PC-Software **Ethernet Manager** gives clear indication about cable length, cable faults and allows the creation of subscribers measurement logs.

KET200 Manager - Kurth3.eth *

Load data (PC) | Save all Data | Save viewed Data | Remove sel. Row | Print Data | Config. sheet / IP | Update KE7200 | Manual

Cable test | Network

Serial number: 000024 | Firmware version: 01.33 | Hardware version: 05.201

Show following measurements: all | copy operator/date from row before | copy act. operator/date into all visible rows

No.	Name of measurement	Wiring	Error 1	Error 2	ID/ Room	Date	Save name
1	Test Measurement	568A STP	No error	No error	32		
2	KURTH	1	568A STP	No error	32		
3	KURTH	1	568A STP	No error	32		
4	KURTH	2	568A STP	Wrong connection	32		
5	KURTH	3	568A STP	Wrong connection	32		
6	KURTH	4	568A STP	Wrong connection	32		
7	KURTH	1	568A STP	No error	32		
8	KURTH	1	568A STP	No error	32		
9	KURTH	2	568A STP	Wrong connection	32		
10	KURTH	3	568A STP	Wrong connection	32		
11	KURTH	4	568A STP	Wrong connection	32		
12	TEST	1	568A UTP	Wrong connection	32		
13	TEST	1	568A STP	No error	32		

Name: KURTH 2

Customer:

Address:

Comment:

Operator:

Cable type:

Type of test: 568A STP

Length: 30.7 m
100.6 ft

Sum Cable Length of all visible tests: 468.7 m
1537.6 ft

Date:

ID Remote unit: 32

Remote connector

1 2 3 4 5 6 7 8 S

KE7200 connector

2 Error(s) found

Pin(s) proper

Wrong connection 2-1 ==> 2

Wrong connection 1-2 ==> 1

Wait for connection...

Sprache/Language: english

Egit

set / IP | Update KE7200 | Manual

Hardware version: 05.201

copy act. operator/date into all visible rows

Domain

Date

Operator

Comment

Client name

IP address Client

I-C address Client

ernet connection:

Address router:

Client name:

IP address Client:

I-C address Client:

Wait for connection...

Sprache/Language: english

Egit

Test report

Test Sample

Customer: Hans-Michael Grottel
Address: Lampa-Strasse 9
70461 Muensterheim

1_ID: 1
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/1

Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.4 m

Result: OK

2_ID: 2
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/2

Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.4 m

Result: NOT OK

3_ID: 3
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/3

Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.3 m

Result: NOT OK

4_ID: 4
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/4

Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.4 m

Result: NOT OK

5_ID: 5
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/5

Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.4 m

Result: OK

6_ID: 6
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/6

Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.1 m

Result: NOT OK

7_ID: 7
Date: 22.01.2013
Operator: Andreas Haller
Comment: Messung der EG
Anschlusssite: Fern-Miller
1/7



Mass name: OBJEKT MUELLER
Cable type: DRAXA UC300 CSA
Tastet zu: 568A STP
Length: 32.5 m

Result: NOT OK

Mittwoch, 15. Juni 2016

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Specifications

KE7200 Ethernet Performance Tester		KE7010 Remote Unit
Wire Test Copper	<ul style="list-style-type: none">Check of wires connected to PIN and PairDetects split pair from 6 ft (2 m) on16 dedicated wiring schemes predefined, user settable via device16 cable types with predefined VP values, user settable via deviceGraphical display shows wire map with clear indication good/badMeasures all wires separately and shows length to fault short/open up to 150 m (TDR)	Features <ul style="list-style-type: none">ID programmable from 1 - 32LED indicates good / bad
Power over Ethernet Test	<ul style="list-style-type: none">Activation of PoE/PoE+/PoE++ (LTPoE++) port (IEEE 802.3af/at/bt)Measuring of voltage and current. Shows available power in watts	
Cable Trace	<ul style="list-style-type: none">Hub-Link Blink FunctionTrace tones to be detected by capacitive Probe (optional)4 tones selectable	
IP Network Testing	<ul style="list-style-type: none">Checks network with static IP or by DHCPDetect the network speed 10/100/1000 MbitIP address and MAC address settableListing of all working stations by name, IP and MAC addressPing of selected addresses - frame settable between 32 and 1024 BitShows result number of pings, lost pings, time min/max/averageConstant ping mode to generate traffic	
Bridge Tap (optional)	<ul style="list-style-type: none">Detects and locates Bridge Taps	
Over voltage protection	Up to 100 Volt	
Housing	Solid and weather protected ABS with drop protection, IP52	Solid and weather protected ABS, IP52
Battery	4 x 1.5 V Alkaline (AA) > 40 hrs operating time	
Dimensions	195 x 100/78 x 45 mm	61 x 41 x 26 mm
Weight	380 g without battery	30 g
Menu language	 	
Environment	Working temperature 0° – +50°C Storage temperature -25° – +75°C Humidity 90%, not-condensing	

Type

Description

0.49420

KE7200

Ethernet Performance Tester with 2 Remote Units KE7010, PC software, test cables, and pouch

0.49421

KE7200 PRO Kit

Ethernet Performance Tester with 4 Remote Units KE7010, Capacitive Probe310 in blue, PC software, test cables and pouch

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