

Handheld TDR with simple operation, locates faults up to 15 km



**KURTH
ELECTRONIC**

■ KE2100 Time Domain Reflectometer



At a glance

- Simple operation
- For use on all kind of circuit, twisted pair, CATV and powerlines without service
- Cable length 15 km / 90 dB
- AUTO set up with just one click
- Trace HOLD feature
- Comparing of two traces
- Editable cable database
- Fast pulse for short deadzone
- Displays reading in meters or feet
- Resolution 0.3 m
- Graphical LCD with backlight
- Uses four AA (LR6) batteries
- Waterresistant and rugged housing
- Management software included
- Storage of measurements, transmission via Bluetooth



The **KE2100** is a handheld, compact time domain reflectometer for locating faults on all kind of circuit, twisted pair, CATV and power lines without service. It has a small minimum resolution and a up to 15 km maximum range depending on the selected cable type (-90 dB). Several output impedances are in a automatic setup available and the selectable velocity factor will meet any cable test requirements.

The **KE2100** is intuitive to operate for the user. An AUTO selection option ensures that the most effective parameters like impedance and length are selected depending on the range required, aiding rapid diagnosis of the trace.

The unit comes with two cursors, one for the absolute distance to fault measuring, the other to measure the distance between two events.

A trace HOLD feature also allows the operator to „freeze“ a trace on the screen, something not seen on most other handheld TDRs. This allows to compare the frozen trace with a new second trace.

Extra high resolution together with white backlight gives the graphical display vibrancy, aiding the user in identifying key events on the trace.

With the included manger software the cable database can easily be extended and stored



Specifications KE2100

Ranges	75 m, 150 m, 300 m, 600 m, 1200 m, 2400 m, 4800 m, 7200 m, 15000 m 246 ft, 492 ft, 984 ft, 1969 ft, 3937 ft, 7875 ft, 15750 ft, 23625 ft, 49213 ft
Accuracy	+ 1 % of range ± pixel at 0.66 VF
Resolution	3.125 ns or 0.3 m
Input protection	AC 230 V / 50 Hz; DC 100 V
Output pulse	Max. 20 V pp into open circuit
Pulse	12, 25, 50, 100, 200, 500, 1000, 2500 ns
Velocity factor	Variable from 0.2 to 0.99 in steps of 0.01
Impedance	75, 100, 120, 150 Ω
Max. Attenuation	86 dB
Zoom factor	In steps from 6 dB
Cable database	Up to 32 entries
Power down	Timeout adjustable
Memory	up to 512 Traces can be stored
Transfer	communication path Bluetooth
Backlight	Strength and duration adjustable
Batteries	4 x LR6 (AA) type batteries or NiMH. Selectable in Menue
Battery life	>8 Hours
Protection	IP52
Dimensions	195 x 100/78 x 45 mm
Weight	390 g without batteries
Housing	Solid and weather protected ABS with drop protection
Connectors	Two 4 mm safety Banana Jacks. Optional BNC
Test leads	Copper Test Cords 2 m, 4 mm banana plug with heavy duty alligator clips 300 V CAT II
Display	Sunlight readable 240 x 128 pixel graphics LCD with backlight
Menu languages	German, English, others on Request
Operating temperature	-10°C to +50°C

Included:



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(CATV adapter, optional)

Barcode	Type	Description
0.49210	KE2100	Time Domain Reflectometer up to 15 km, test leads, PC software, pouch
0.57488	CATV adapter	CATV adapter



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