

Wiring Test System KT 310

Cost-optimized test system

The KT 310 offers an extremely good price performance ratio as a result of consistent cost optimization.

The unit is available in 4 versions with a maximum of 728 test points in a compact package.

The measurement circuitry consists of a fast measurement generator with 10 VDC maximum test voltage. An internal program storage as well as an optional external disk drive are used as mass storage.

The guided assembly, pushback testing and support for adapter LEDs makes the unit ideal for use with assembly boards and test tables. Extensively, barcode readers and label printers are fully supported.



System reliability ensures the quality of your product

The high reliability of adaptronic test systems, our fast service and more than 20 years of experience make a major contribution to the assurance of quality for your products.

Complete range easy upgrades

The systems in the adaptronic KT system family offer a matching solution for every application and individual test problem. All testers have automatic learning functions, loading of test programs, test functions, self-diagnostics and more. An upgrade within the adaptronic KT system family is therefore very simple.

Wide-ranging test capabilities

adaptronic test systems are ideally suited to the wide range of test applications required by the industry. Beside the standard continuity and short tests, resistors, capacitors, diodes and other discrete components can also be tested. Also the testing of switches in all switch positions is standard.

The ease of operation guarantees trouble-free interaction with the test system. The operator language is easily switched between German, English, French, Italian, Spanish, Danish, Czech, Polish, Hungarian and Japanese (other languages on request).

Test management by TMS

The user-friendly Windows® based software package makes it easy to create and process test programs.

Technical Data KT 310

Test points

- System variants with 128, 256, 512 or 768 tests points,
- All test points in the base unit

Test point interface

- 64-pin, DIN 41612, female connectors

Low voltage test

- Test voltage: 1 - 10 VDC
- Threshold for continuity test: 10 Ω - 1 k Ω \pm 10 %, \pm 5 Ω
- Threshold for short circuit test: 20 k Ω - 500 k Ω \pm 10 %

Component test

- Resistors: 10 Ω - 500 k Ω \pm 10 %, \pm 5
- Capacitors: 10 nF - 20 mF \pm 10 %
- Diodes
Forward voltage: < 1,0 VDC
Reverse voltage: 10 VDC
- Zener diodes: Forward voltage: < 3,0 VDC
Zener voltage: max. 8 VDC
- LEDs: Forward voltage: < 4,0 VDC
Reverse voltage: 10 VDC

Programming

- Self-learning of good patterns
- Programming with Test Program Editor (TMS, option)
- Prepared for CAD data download

Operating environment

Operation unit consisting of a high contrast LCD display with 4 x 20 characters and 11 keys

Special features

- Test table support
- Test point identification with test probe
- Self-diagnosis of measuring and test electronics
- Test point naming, two additional connector formats
- Statistical evaluation of test results (identification of fault accumulations)
- Extended fault display (option)
- RDF result data format (option)
- Visual inspection of LEDs
- Division of the test sequence into individual stages (segments) also enables switch position tests or segment-specific test parameters
- Test flow control (option)

Interfaces

- Switch outputs (Userport)
- External control interface
- 1 parallel interface (Centronics)
- 2 serial interfaces (RS232)
- Ethernet 10BaseT (option)
- VGA Interface (option)
- PC Keyboard

Data storage

- FLASH Memory >4 MB
- Disk drive 3,5" with 1,44 MB, external (Option),

Printing

- Prepared for the connection of a log printer for test results and statistics
- Label printing

Environmental conditions

- Temperature range Operating + 10° C bis + 40° C
Storage + 10° C bis + 60° C
- Humidity Operating 30 percent -70 percent, non-condensing

Power supply

100 - 240 VAC, 50 - 60 Hz, autoranging

Dimensions

KT 310-128/256/512 290 x 165 x 260 mm, W x H x D
KT 310-768 290 x 210 x 260 mm, W x H x D

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