

Wiring Test System KT 110

Cost-effective test system

The test system KT 110 offers an extremely good return on investment due to its optimized cost.

The unit is available in 2 versions with 128 or 256 test points. Requires minimum space thanks to its compact design.

The measurement circuitry consists of a fast measurement generator with 10 VDC maximum test voltage. An internal memory as well as an integrated Smart Card reader are used as test program storage.

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 for the wide range of different test requirements by industry. Beside the standard continuity and short tests, resistors, capacitors, diodes, zener diodes and LEDs 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 English, German, French, Italian, Spanish, Danish, Czech, Polish, Hungarian and Japanese (other languages on request).

Test Table Applications

The test system KT 110 supports adapter LEDs and the automatic scanning of adapters used in test tables and guided harness assembly boards.

Creating Test Programs with KT EDIT

This operator-friendly software package for an external PC, running under Windows®, makes it easy to create and edit test programs.



System reliability ensures the quality of your product

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

Technical Data KT 110

Test points

- System variants with 128 or 256 test points
- All test points in the base unit

Test point interface

- 64-pin card edge connector 0,1 inch

Low voltage test

- Test voltage: max. 10 VDC
- Test current: max. 10 mA
- Threshold for continuity test: 10 Ω - 1 k Ω \pm 10 %; min. \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 %, min. \pm 5 Ω
- Capacitors 10 nF - 1 mF \pm 10%
- Diodes Forward voltage: < 1,0 VDC
Reverse voltage: max. 10 VDC
- Zener diodes Forward voltage: < 3,0 VDC
Zener voltage: max. 9 VDC
- LEDs Forward voltage: < 4,0 VDC
Reverse voltage: max. 10 VDC

Programming

- Self-learning of "Known-good-sample"
- Programming with test program editor (KT EDIT, option), data transfer via smart card or RS 232

Operation/Display

- Operated by 8 buttons with pressure sense-point
- Wide-contrast backlit LCD display with 4 x 20 characters

Special features

- Test-table support (max. 100 adapter LEDs)
- Test point identification with test-probe
- Self-diagnostics for the test electronics and the measurement circuitry
- Test point naming up to 12 characters
- Visual control of LEDs
- Division of the test sequence into individual test steps (segments), that also allow switch position tests or segment-dependent test parameters
- Test sequence control
- Label and report printing

Interfaces

- External interface
- 1 parallel interface (Centronics)
- 2 serial interfaces (RS232)

Data storage

- Test program storage in internal Flash RAM, approx. 200 kB
- Smart Card for interchange of test programs

Environmental conditions

- Temperature range: Operating + 10° C to + 40° C
Storage + 10° C to + 60° C
- Humidity: Operating 30 % - 70 %
non-condensing

Operating voltage

100 - 120 VAC, 60 Hz or
200 - 240 VAC, 50 Hz.

Dimensions

305 x 120 x 180 mm (W x H x D)

adaptronic GmbH
Dörlesberg-Ernsthof
D-97877 Wertheim
Phone ++ 49 (0) 9345 930-0
Fax ++ 49 (0) 9345 930-106
E-Mail info@adaptronic.de
www.adaptronic.de



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