adaptronic

Open Wire Probe

OWP02

Test probe for the test of open wire ends with complete report of the tests

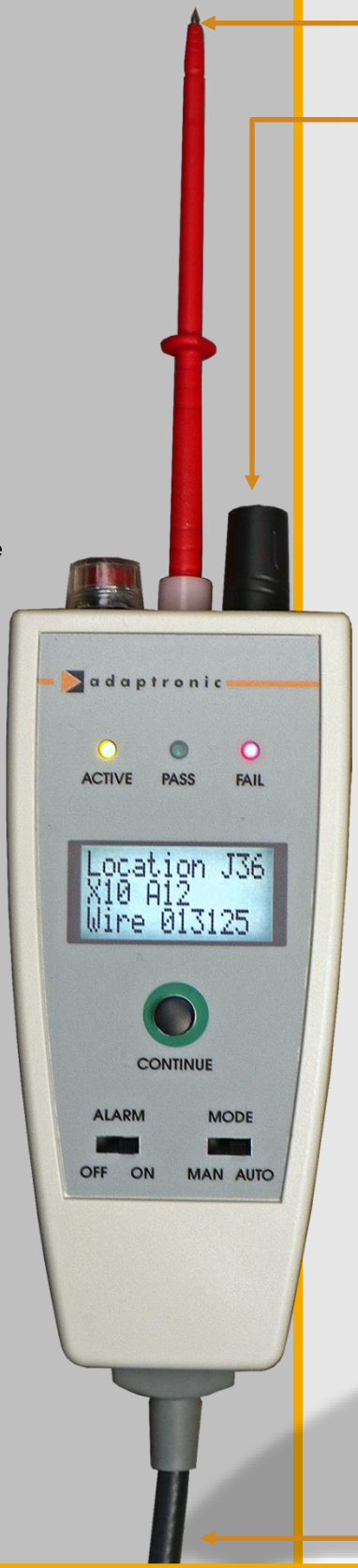
- Automatic support of the operator for the locating of open wire ends and connecting in control cabinets / control boards
- Comfortable operating via display and operating elements in the grip housing
- Reporting of all test results in NT Control:
  - Wire information
  - Connection points
  - Measurement results
- 2-probe operation for both side open wires
- Functions:
  - Continuity test
  - 2-wires and 4-wire measurement
  - Voltage measurement AC/DC
  - Component test (switches, resistors, diodes…)
  - Usage as pin number probe
- test tip exchangeable
- Easy integration into the test procedure with the NT Control link list editor and component editor
- Intelligent test program generation via import also of the open wire from wiring lists
- Applicable in compact testers and distributed test systems
- Can be disconnected and connected during test at test systems with several OWP interfaces
- Saving of adapter cables by using the Open Wire Probe
- Professional support at the test of individual pieces or initial samples

Ensuring of your product quality by high system availability

The high reliability of the adaptronic test and adapter systems, our quick response service and more than 30 years of experience make a convincing contribution to the quality assurance of your products.

adaptronic

- Exchangeable test tip
- Socket for four-wire measurement (4 mm)



- Fuse

LEDs

- ACTIVE probe is activated for the test
- PASS continuity test successful
- FAIL continuity test failed

LC-Display

- Connector location
- Connector name
- Connector pin or wire name

CONTINUE Push-button

- For confirmation of the test result

MODE Switch

- MAN manual operation
- AUTO automatic operation

ALARM Switch

- Acoustic signal after successful continuity test OFF or ON

- Incl. wall mounting
- Connection cable (approx. 5 m) with interface connector

Open Wire Probe

FUNCTIONALITY

- Support of the operator for the locating and connecting of open wire ends and components
- Communication via display, status displays and acoustic signals
- Operation modes:
  - Automatic mode: test system scans the still open connection. With successful test the next wire will be displayed and scanned automatically. In the case of a fault this status has to be confirmed manually.
  - Manual operation: test system scans the still open connection. The current state, failed or passed, will be displayed. Both states have to be confirmed manually.
  - The Open Wire Probe can be used also as a conventional pin number probe.

DESIGN

- Ergonomic plastic housing with test tip for contacting the wire ends
- Status displays
- LC-display with 3 lines, backlighted
- Operation mode switch AUTO / MAN
- Acoustic signaling device for a successful continuity test (can be switched off)
- The test tip can be exchanged with adaptation wires / test tips via 4 mm connector technology

Interface module for NT 6xx / NT 7xx

- Interface module for the integration into the test box
- Connection possibility for 2 x OWP02

Interfaces for Test Point Units (TPUs) with NT 8xx

- Integrated into the relevant rear side of a TPU
- Connection possibility for 2 x OWP02

OWP02

Open Wire Probe in the test system

- The Open Wire Probe OWP02 can be used with compact testers of the series NT 600 and NT 700 as well as with Test Point Units (TPUs) of distributed test systems of the series NT 800. Therefore the relevant hardware interfaces are optional available.
- Control software NT Control
- Specific software features:
  - Programming of the connections in the link list
  - Programming of the components in the component list
  - Individual definition of the testing order of the open wire ends
  - Setting of the continuity test parameters for open wires (resistance, current, voltage…)
  - Setting of the individual component parameters (resistance value, voltage…)
- 2-probe operation for the test of both side open wires

	Link Name	From Test Point	To Test Point
1	Switch 1/2/3 a	CON X1-a15	CON X1-c15
2	Switch 1/2/3 b	CON X1-a16	CON X1-c16
3	wire 2.3	CON X1-c1	;jack-TP2
4	wire 2.5	CON X1-a1	;jack red
5	wire 2.6	;X10-Pin 2	;X56-Pin A
6			

Link list detail with open wire ends (starting with a semicolon)

Example report

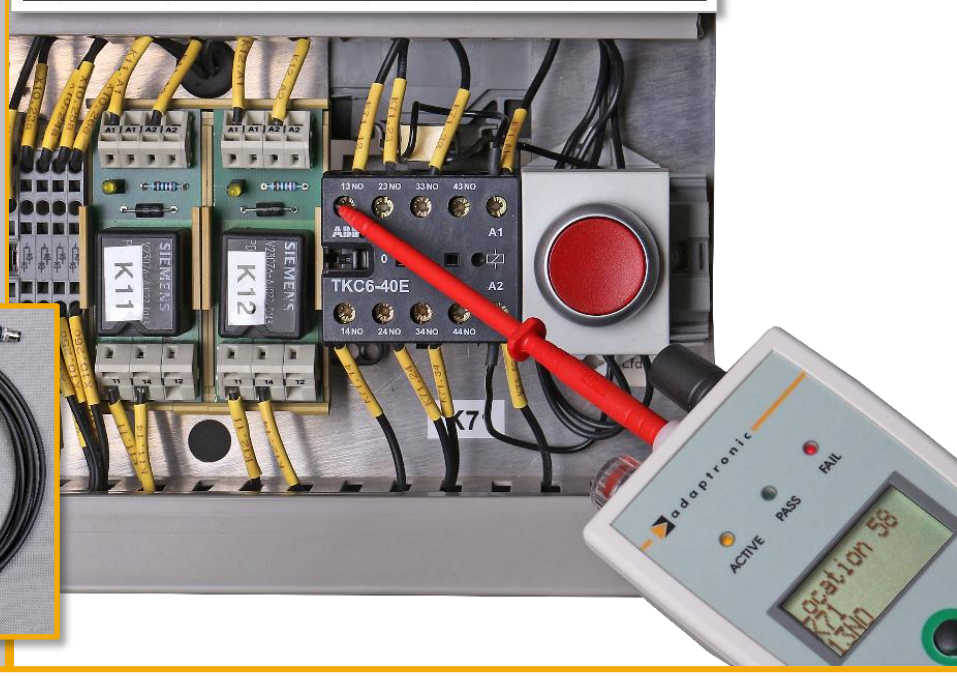
Segment 1

Continuity Test
Lower threshold: 10.00 Ohm
Current: 1.00 A
Delay time: 0 s
Use kelvin: No
Lower threshold (Kelvin): 100.00 mOhm

No.	Error type	Location	from TP	to TP	measured	nominal value
1	Good	Switch 1/2/3 a	CON X1-a15	CON X1-c15	1.21 Ohm	<= 10.00 Ohm
2	Good	Switch 1/2/3 b	CON X1-a16	CON X1-c16	1.12 Ohm	<= 10.00 Ohm
3	Good	wire 2.3	CON X1-c1	;jack-TP2	876.42 mOhm	<= 10.00 Ohm
4	Good	wire 2.5	CON X1-a1	;jack red	879.75 mOhm	<= 10.00 Ohm
5	Good	wire 2.6	;X10-Pin 2	;X56-Pin A	759.72 mOhm	<= 10.00 Ohm

Scope of delivery

- Open Wire Probe
- Test tip
- Wall mounting
- Documentation



PI-04-173-A

adaptronic Prüftechnik GmbH
Karl-Carstens-Str. 27
D-97877 Wertheim

+49 9342 858 40-0
info@adaptronic.de
www.adaptronic.de