

Fast, robust and versatile.
The all-in-one cable and function tester

WK 260 PC



Cable Test

Backplane-/Racktest

Functional Test

Specials



The **WK 260 PC** Tester is the optimal tester for Automotive harnesses and electronic components. The operation through a Computer enables a clear programming of complex test scripts with the IVISion Studio Software and an intuitive operation during the test run. Faults can be displayed graphically and therefore localized very quickly in the unit under test (UUT). During the AutoStart/CommandBlock modus, identified faults are tested continuously in the background and kept displayed until they have been solved. A broad range of peripheral devices can be connected to the tester through the running PC.

■ Typical Applications

- Connection and isolation test of complete automotive cable harnesses (up to 20,480 test points)
- Functional tests of switches, LEDs, lamps, optocouplers, relays, contactors, voltage dividers etc.
- Identification of automotive fuses (accurate measurement of very small resistances)
- Module test (KSK, customer specific cable harnesses) with high diversity

■ Features

Interfaces

- Standard 100BaseTX Ethernet interface to connect the WK 260 to control-PC
- Remote control interface to trigger external devices:
 - 10 Inputs: Input voltage 0-25 Vdc, Threshold LOW-HIGH at 1.5 Vdc
 - 8 Open Collector outputs max. 25 Vdc/100 mA
 - 1 Relay Output max. 25 Vdc/1 A
- 2 parallel and 2 serial interfaces
- USB interfaces
- Beeper
- Jack for probe
- U1 bus for external voltages

■ Switching Matrix

- Protected against reverse voltages up to 50 Vdc and ESD effects according to EN 61000-4-2
- 64-pin output connectors conforming to DIN 41612, type C
- Single point matrix, used switching elements are transistors
- Test point cards with 64 points

Test Point Card TM 260-64p

Functionality of test points is programmable in IVISion Studio:

- Test points to measure connections, isolations, components and external voltages
- LED points to activate LEDs simultaneously with associated test points e.g. on an assembly board
- Power points to switch external voltages to activate relays for functional tests
- Connector detection points to check presence of all connectors before the electrical test
- Detection points to check non-electrical components such as secondary locks at a connector or clips at the harness
- ID-Chip channel to identify adaptation holders in the test board
- Maximum switchable current 150 mA

Test Point Card TM 260-32I-32Kelvin

Additional features:

- High current-power-points up to 1.5 A to activate e.g. electric contactors
- Four Terminal Measurement: 32 Force / 32 Sense points

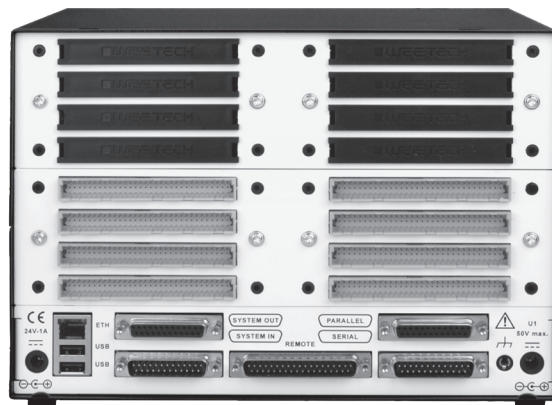
■ Testing and Measuring Performance

Continuity Test	<ul style="list-style-type: none"> • Lower bound 1 Ohm • Four Terminal Measurement down to 500 μOhm • 100 μA, 1 mA, 10 mA or 100 mA constant current
Isolation Test	<ul style="list-style-type: none"> • Up to 100 kOhm • 0–20 Vdc programmable
Component Test	<ul style="list-style-type: none"> • Resistors 1 Ohm to 2 MOhm 500 μOhm to 100 Ohm with Four Terminal Measurement • Capacitances 10 nF to 1,000 μF • Diodes/Zener diodes Test of forward, reverse and Zener voltage Polarity test Zener diodes up to 20 Vdc
Functional Test	<ul style="list-style-type: none"> • Supply of the UUT with external voltages (U1) up to 50 Vdc • Maximum switchable current 1.5 A • Measurement of external voltages up to 24 Vdc • Measurement of external currents up to 75 mA

Typical values, being valid at the front panel of the tester without adaptation at 25 °C and a relative humidity smaller than 60 %.

■ Technical Data

Dimension and Weight	<ul style="list-style-type: none"> • WK 260 PC: 270 x 200 x 195 (W x D x H in mm), 3,9 kg • WK 260 TC: 270 x 200 x 195 (W x D x H in mm), 3,8 kg • Maximal configuration: WK 260 PC plus 19 x WK 260 TC for up to 20,480 test points • The distance between 2 boxes can be 20 m, the distance from the first to the last box up to 100 m
Power Supply	<ul style="list-style-type: none"> • Wall power supply, Input 135...370 Vdc/90...264 Vac, Output 24 Vdc; 0.75 A



WK 260 PC (Rear view)

