The rigid,
fast and reliable
connection- and
component tester

WK 260 RMC

Cable Test Backplane-/Racktest **Functional Test** Specials

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Wired for Success: Testing Innovations.

WK 260
RMC

The **WK 260 RMC** is the fast, reliable and inexpensive low voltage tester for the needs of the railway industry. It combines the mechanical properties of our high voltage testers with the advantages of the fast and reliable WK 260 PC. You decide which industrial output connector is used on the tester. Benefit from the intuitive operation and installation to test quickly and reliably. The structured creation of test programs as well as the lucid test control are carried out with the proven IVISion Studio software.
Find open connections, short circuits and faulty components in no time. Accelerate your entire test process by identifying simple errors early on.

Typical Applications

- Low voltage test in the railway industry
- Function test of switches, LEDs, lamps, optocouplers, relays, contactors, voltage dividers, etc.

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
- 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
- Up to 20,480 test points
- Single point matrix, used switching elements are transistors
- Test point cards with 64 points

Test Point Card TM 260 SE-64p

Functionality of test points is programmable in IVISion Studio:

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

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 point

Front Plate Modules

- FPM WK Han D 64p F
- Others upon on request
- Up to 1,024 test points per tester

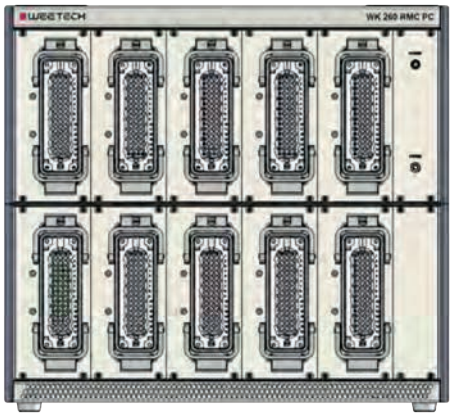
Testing and Measuring Performance

Continuity Test	• Lower bound 1 Ohm	
	• Four Terminal Measurement down to 500 µOhm	
	• 100 µA, 1 mA, 10 mA or 100 mA constant current	
Isolation Test	• Up to 100 kOhm	
	• 0–20 Vdc programmable	
Component Test	• Resistors	1 Ohm to 100 kOhm
		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 Vd
Functional Test	• 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	

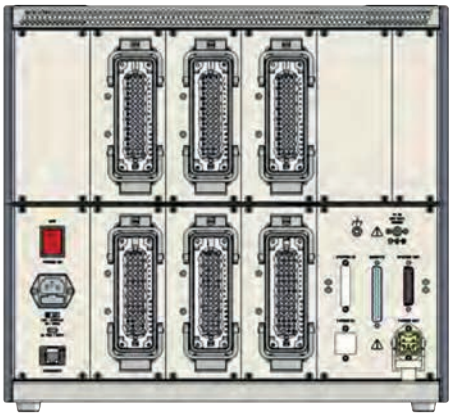
Typical values, being valid at the front panel of the tester without adaptation at 25 °C and a relative humidity smaller than 60 %.

Technical Data

Dimensions and Weight	• WK 260 RMC PC: 450 x 530 x 410 (W x D x H in mm), 30 kg
	• WK 260 RMC TC: 450 x 530 x 410 (W x D x H in mm), 28 kg
	• Mountable in 19" racks
	• The distance between 2 boxes can be 20 m, the distance from the first to the last box up to 100 m
	• Maximal configuration: WK 260 RMC PC plus 19 x WK 260 TC for up to 20,480 test points
Power Supply	• WK 260 RMC PC Input 100-240V, 50-60 Hz, 320 W
	• WK 260 RMC TC Is supplied via WK 260 RMC PC (daisy-chained)



WK 260 RMC PC (front view)



WK 260 RMC PC (rear view)

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