The Compact,
Independent
Cable Tester with
High Performance

WK 260 MU

Cable Test | Backplane-/Rack Test | **Functional Test** | Specials

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The Compact, Independent Cable Tester with High Performance

The **WK 260 MU** Tester is ideal for the test of cables, harnesses and electric components for Automobiles, computer and electronic devices. It can be operated completely without a computer and thus seamlessly integrated into the production process. With its Autoprog function, the tester learns "Golden Samples" to define test programs. During operation, the cursor keys and the integrated display allow simple and intuitive workflows. Optionally, test programs can be developed with the IVISion Studio Software and managed centralized at a PC.

Typical Applications

- Connection and isolation test of cables and simple cable sets or cable harnesses (up to 1,536 test points)
- Functional test of electric components (e.g. relays)
- High lot sizes at low variety

Features

Interfaces	· Standard 100BaseTX Ethernet interface (optional) · 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
Operating Elements	· Buttons for Start, Stopp, curser keys for the operating menu · LEDs for PASS and FAIL · Monochrome graphical display with 192 x 64 pixel
	· Beeper · Jack for Probe · U1 bus for external voltages
Options	· WK 260 MU — Programming exclusively at the tester (IVISion Studio not allowed); Data transfer from/to the tester via USB interface · WK 260 MU-I — Programming of test script with IVISion Studio possible; Data transfer via USB and/or Ethernet interface · WK 260 MU-E — Central test program and test result management with Netstar 4.0 via Ethernet interface

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 · 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	· Lower bound 1 Ohm	
	· Four Terminal Measurement down to 500 µOhm	
	· 100 µA, 1 mA, 10 mA or 100 mA constant current	
Isolations Test	· Up to 100 kOhm	
	· 0–20 Vdc programmable	
Component Test	· Resistors	1 Ohm to 2 MOhm
		500 µOhm to 100 Ohm with Four Terminal Measurement
	· Capacitances	10 nF bis 1,000 µF
	· Diodes and Zener diodes	Test of forward, reverse and Zener voltage
		Polarity test
		Zener diodes up to 20 Vdc
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

Dimension and Weight	· WK 260 MU: 270 x 200 x 126 (W x D x H in mm), 2,7 kg
	· WK 260 TC: 270 x 200 x 195 (W x D x H in mm), 3,8 kg
	· Maximal configuration: WK 260 MU plus 1 x WK 260 TC for up to 1,536 test points
	· The distance between WK 260 MU and WK 260 TC can be up to 20 m
Power Supply	· Wall power supply, Input 135...370 Vdc/90...264 Vac, Output 24 Vdc; 0.625 A

WK 260 MU (Rear View)