



## KT 231

TESTING MADE EASY

### Small – powerful – economic

adaptronic wiring testers of the ultra-compact class as low voltage testers in KT version with touch display.

The programming software NT Control LT is optional available for KT 231 testers.

The wiring testers KT 231 of the ultra-compact class are characterized by smallest dimensions with up to 512 test points.

Whether stand-alone, with adapter cables, test consoles or test tables - the wiring testers of the ultra-compact class can be used everywhere.



**The smallest high voltage tester  
– optimized for test applications  
up to 1000 VDC**

Up to  
**512**  
test points

Low voltage tests  
up to  
**12 VDC /  
400 mA**

High voltage tests  
up to  
**1000 VDC**

MES communication via  
**OPC UA**  
possible



Rear side of KT 231 with options

# KT 231

## TESTING MADE EASY

### Most important facts

The KT 231 is characterized by an outstanding price performance ratio and is especially optimized for the operation in automated production lines:

- Up to 27 digital I/Os\*
- 4 × USB and network for easy data handling
- All common field bus interfaces available\*
- Space saving design
- Connection to a MES with OPC UA\*

\* optional

### Test program generation with NT Control LT

Generation, editing and management can be done comfortable with the easy to use software tool NT Control LT. The data transfer between a PC with NT Control LT and the KT 231 takes place via network or USB flash drive. NT Control LT is available as accessory.

### Your advantages

- Easy handling in stand-alone operation via color touch display
- Automatic learning of golden samples
- Loading and saving of test programs
- Comprehensive result reporting
- Operation language selectable
- Left hand operation
- Continuity test, short circuit test, insulation test and component test
- Network interface
- USB 2.0 interfaces for printer, scanner, storage
- 2 GB storage for test programs and result data (expandable)
- Remote maintenance via network

### Technical data KT 231

Test points	max. 512 test points
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#### Low voltage test DC

Test voltage	max. 12 V
Test current	max. 400 mA, depending on resistance
Threshold continuity test	0.5 Ω – 1 kΩ (optional four-wire measurement from 10 mΩ)
Threshold short-circuit test	20 kΩ – 1 MΩ
Component test	Resistors: 0.5 Ω – 1 MΩ Capacitors: 10 nF – 10 mF Diodes, Zener diodes, LEDs, Varistors (100 V – 800 V, I = 1 mA), surge arrestors

#### High voltage test DC

Test voltage	80 – 1000 V
Insulation test	500 kΩ – 1 GΩ
Break down test	Fast recognition of voltage breakdowns

#### General features

Power supply	External power supply, primary 90 – 240 VAC, secondary 24 VDC / can also be operated directly at 24 VDC
Interfaces	– 3 × digital I/Os (Extern Interface, expandable) for control, foot switch and signal lamp – 1 × serial interface RS232 for control and printer – 4 × USB 2.0 (1 x at the front-side) for data media, barcode scanner, keyboard and printer – Network / safety loop and warning lamp / pin number probe – Optional control vis all standard field bus interfaces
Scope of delivery	KT 231, power supply unit with mains cable, pin number probe, USB flash drive with documentation in PDF format

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