




# KT 630



 **1500 VDC**  
 **1050 VAC**  
 **2 ADC**

## KT 630

### high number of test points - precise measurement

- ▶ Easy handling in stand-alone operation
- ▶ Automatic learning of golden samples
- ▶ Comprehensive result reporting
- ▶ Operation language selectable
- ▶ High voltage test up to 1500 VDC
- ▶ High current test up to 2 ADC
- ▶ Continuity test, short circuit test and component test
- ▶ Microsoft® network interface
- ▶ USB 2.0 interfaces
- ▶ Windows CE 6.0® on powerful ARM® processor
- ▶ 2 GB storage for test programs and result data (expandable up to 32 GB)
- ▶ Remote maintenance via network

### Perfect for automated production lines

- ▶ Precise measurement electronics for the measurement of resistances and capacitances
- ▶ Up to 1024 test points
- ▶ Dielectric strength test up to 1050 VAC \*
- ▶ Solid 19" housing
- ▶ 3 x USB and network for easy data handling
- ▶ Up to 27 digital I/Os for control
- ▶ All standard field bus systems available
- ▶ Prepared for pin-length measurement

### 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.

\* optional

# KT 630



## Technical features

Test points max. 1024

### Low voltage / high current (DC)

Test voltage max. 40 V

Test current max. 2 A

Continuity test threshold 0.5 Ohm – 1 kOhm / optional Kelvin measurement: 1 mOhm – 1 kOhm

Short circuit test threshold 20 kOhm – 10 MOhm, optional 10 MOhm – 100 MOhm

Component test  
Resistors: 1 Ohm – 10 MOhm, optional 10 MOhm – 100 MOhm  
Capacitors: 10 nF – 20 mF, optional 10 pF – 10 nF  
Diodes, Zener diodes, LEDs, suppressor diodes (3 – 35 V breakdown voltage)  
Varistors (40 – max. 1300 V), surge arrestors

### High voltage (DC)

Test voltage max. 1500 V

Insulation test 500 kOhm – 2 GOhm

Dielectric strength Fast recognition of voltage breakdowns

### Dielectric strength (AC) – optional

Test voltage 100 – 1050 V

## General

Power supply 100 – 240 VAC (50 – 60 Hz)

Interfaces  
3 x digital I/Os (Extern Interface, expandable up to 27 I/Os) for control, foot switch and signal lamp  
2 x serial interface RS232 for control and printer  
3 x USB 2.0 (1 x at the front-side) for data media, barcode scanner, keyboard and printer  
Network Ethernet 10/100BaseT / safety loop and warning lamp / pin probe  
Optional control via all standard field bus systems

Dimensions (W x H x D) 465 mm x 285 mm x 590 mm

Scope of delivery  
KT 630, main cable, mating connector and service connector for safety loop, pin probe, USB-Stick, manual, NT Control LT with documentation

### Test program generation with NT Control LT:

Generation, editing and management can be done comfortably with the easy to use software tool NT Control LT.

The data transfer between a PC with NT Control LT and the KT 630 takes place via network or USB-stick. NT Control LT is included in the delivery.