

KT 630

High number of test points – precise measurement

- Easy handling in stand-alone operation
- Automatic learning of golden samples
- Loading and saving of test programs
- Comprehensive result reporting
- Operation language selectable

- Up to **1024** test points
- Insulation test up to **1500 VDC**
- Dielectric strength test up to **1060 VAC / 1500 VDC***
- High current test up to **2 ADC**
- Continuity test, short circuit test and component test

- Microsoft® network interface
- USB 2.0 interfaces
- 2 GB storage for test programs and result data (expandable)
- Remote maintenance via network

Perfect for automated production lines.

- Precise measurement electronics for the measurement of resistances and capacitances
- 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
- Voltage measurement*
- LCR measuring bridge*

* optional

TESTING

KT 630



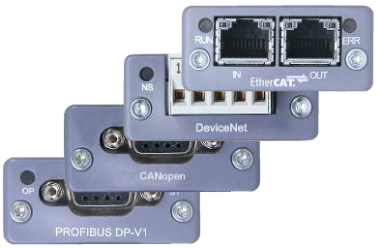


Image: KT 630 with options

Technical features KT 630	
Test points	max. 1024
Low voltage test DC	
Test voltage	max. 25 V (optional 250 V)
Test current	max. 2 A
Threshold continuity test	0.5 Ohm – 1 kOhm (optional four-wire measurement from 1 mOhm)
Threshold short-circuit test	20 kOhm – 1 MOhm (optional up to 100 MOhm)
Component test	Resistors: 1 Ohm – 1 MOhm (optional up to 100 MOhm) Capacitors: 10 nF – 20 mF (optional from 10 pF) Diodes, Zener diodes, LEDs, suppressor diodes
Insulation test DC	
Test voltage	40 – 1500 V
Threshold	500 kOhm – 2 GOhm (optional up to 10 GOhm)
Dielectric strength test AC (optional)	
Test voltage	100 – 1060 V
Test current	max. 2,1 mA_{eff}, 3 mA_p, safety current limited according to EN 50191 (optional max. 4,2 mA_{eff}, 6 mA_p)
Dielectric strength test DC (optional)	
Test voltage	40 – 1500 V
Test current	max. 3 mA, safety current limited according to EN 50191 (optional max. 6 mA)
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 1 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 / safety loop and warning lamp / pin number probe Optional control via all common field bus systems
Dimensions (W x H x D, approx.)	450 mm x 275 mm x 395 mm
Scope of delivery	KT 630, main cable, mating connector and service connector for safety loop, pin number probe, USB flash drive with NT Control LT and documentation in PDF format

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 630 takes place via network or USB flash drive. NT Control LT is included in the delivery.

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