



KT 651

Dielectric strength tests up to 5000 VAC / 6000 VDC

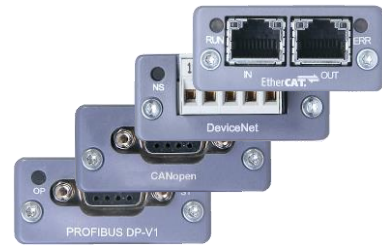
- Easy handling in stand-alone operation
 - Automatic learning of golden samples
 - Loading and saving of test programs
 - Extensive result reporting
 - Operating language selectable
 - Up to **64** test points
 - Insulation test up to **6000 VDC***
 - Dielectric strength tests up to **5000 VAC / 6000 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
 - 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

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Image: KT 651 with options



Technical features KT 651	
Test points	max. 64
Low voltage test DC	
Test voltage	max. 25 V (optional 250 V)
Test current	max. 25 mA (optional 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
Dielectric strength test AC	
Test voltage	50 - 5000 V
Test current	max. 30 mA
Dielectric strength test DC)	
Test voltage	50 – 6000 V
Test current	max. 10 mA
Insulation test DC (optional)	
Test voltage	max. 6000 V
Threshold	100 kOhm – 10 GOhm (depending on test voltage)
General	
Power supply	230 VAC / 50 Hz or 110 VAC / 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.)	555 mm x 650 mm x 600 mm
Scope of delivery	KT 651, main cable, mating connector and service connector for safety loop, HV interlock connector, 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 comfortably with the easy to use software tool NT Control LT.

Data transfer between a PC with NT Control LT and KT 651 via network or USB flash drive. NT Control LT is included in the delivery.