



KT 638
 **1500 VDC**
 **2 ADC**

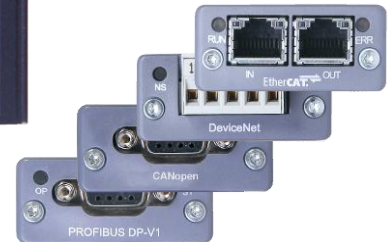
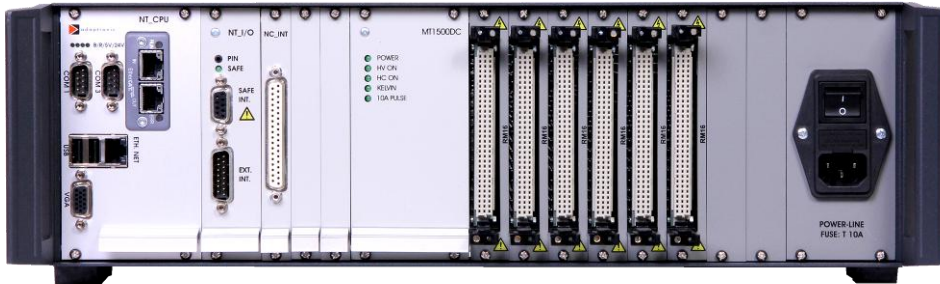
KT 638 – solid and fastest high voltage tester
Perfect for automated production lines

- ▶ Easy handling in stand-alone operation
- ▶ Automatic learning of golden samples
- ▶ Comprehensive result reporting
- ▶ Operation language selectable
- ▶ Up to 512 test points
- ▶ 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

- ▶ Fastest high voltage tester on the market
- ▶ 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.



Technical features

Test points max. 512

Low voltage / high current (DC)

Test voltage max. 50 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 – 1 MOhm, optional 1 MOhm – 5 MOhm

Component test
 Resistors: 1 Ohm – 1 MOhm, optional 1 MOhm – 5 MOhm
 Capacitors: 10 nF – 20 mF, optional 100 pF – 10 nF
 Diodes, Zener diodes, LEDs, suppressor diodes (3 – 45 V breakdown voltage)
 Varistors (40 – max. 1300 V), over-voltage conductors

High voltage (DC)

Test voltage max. 1500 V

Insulation test 500 kOhm – 2 GOhm

Dielectric strength Fast recognition of voltage breakdowns

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 150 mm x 590 mm

Scope of delivery KT 638, 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 comfortable with the easy to use software tool NT Control LT.

The data transfer between a PC with NT Control LT and the KT 638 takes place via network or USB-stick. NT Control LT is included in the delivery.

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