



Up to 8192 TEST POINTS

in combination with the easy to use Test Software CS WIN nx for reliable testing of:

- electrical connections
- electrical components
- fiber optics
- position measurement
- presence test of mechanical components
- protocol for statistics and quality assurance
- Supports new test point cards- / measurement types: HV and 4 pole

THE KEY FEATURES OF THE NEW CT45

- Intelligent measuring technique with TP-boards and DIO bus.
- Connection to the PC via Ethernet.
- Multi-tester support:
You can connect two testers in parallel on one test system
- Easy replacement of the tester.
- The mechanical structure is identically to the CT35 for a standard installation concept.
- The connections to the test system are nearly identical to the CT35. The DIO-interface has been replaced by an improved, reverse polarity protected interface.

APPLICABILITY

The tester is intended for operations in all TSK test systems produced from 2016th. Operation, setting and communication takes place via test software CS WIN nx.

TECHNICAL DATA CT45

Test points:	up to 8192
Power supply:	5 V
nominal power:	max. 25 W
Testing current:	up to 122,5 mA
Testing voltage:	up to 15 V, +/- 1%, min. +/- 20 mV
Transit circuit test about threshold value:	20 Ohm up to 10 KOhm, +/- 2%
Short circuit test about threshold detection:	10 KOhm up to 1 MOhm, +/- 5%
Resistor measurement:	5 Ohm up to 100 KOhm, +/- 1%, min. +/- 20Ohm 100 KOhm up to 10 MOhm, +/- 5%
Capitalize measurement:	10nF to 100 µF, +/- 5%, min. +/- 10 nF
Diode test:	Zener (to 11 V), Si, Ge
Position Measurement:	5,0 mm lift way, +/- 0,1 mm
Digital output DO:	max. 350 mA
Voltage IO-Bus:	12 V or 24 V
Ambient conditions:	
Permissible temperature range:	Operation 10 up to 40°C Storage -10 up to +60°C
Max. permissible humidity:	40 to 75% no condensation
Operating altitude:	max. 2000 m above sea level
Minimum requirements Test Software:	CS WIN nx, from version 5.6.x.x
Minimum requirements for PC:	Dual Core CPU, z.B. Intel E5xxx or better min. 4GB RAM and 200 MB free HD memory 1 free Ethernet Port with IP Range 192.168.1.0/24

REQUIREMENTS

For the full-function of the cable tester CT45 the test software CS WIN nx, version 5.6 or newer is required.

With all previous versions of the CS WIN nx, the support of the new functions is limited.

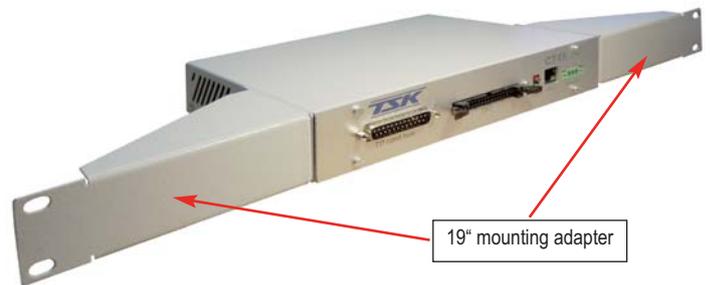


MECHANICAL INSTALLATION

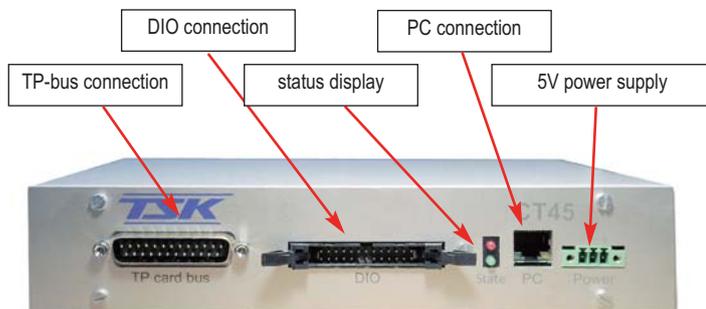
The housing of the CT45 is designed as a 19" rack. The tester is installed in the table under frame (such as test point cards) of the test systems TS1500, TS1600, TS1700 and HV-test systems. This applies for all above-mentioned test systems produced 2016 and later.

For exchange (measurement unit CT35), the tester is equipped with a 19" mounting adapter for the above-mentioned Systems.

For the test system TS4000CT the tester is used with a 11" mounting adapter.



CONNECTION OF THE CABLE TESTER



TESTER WEB SITE

A delivered CT45 has the standard IP address 192.168.1.210!

With this address, you can open the tester-integrated website.

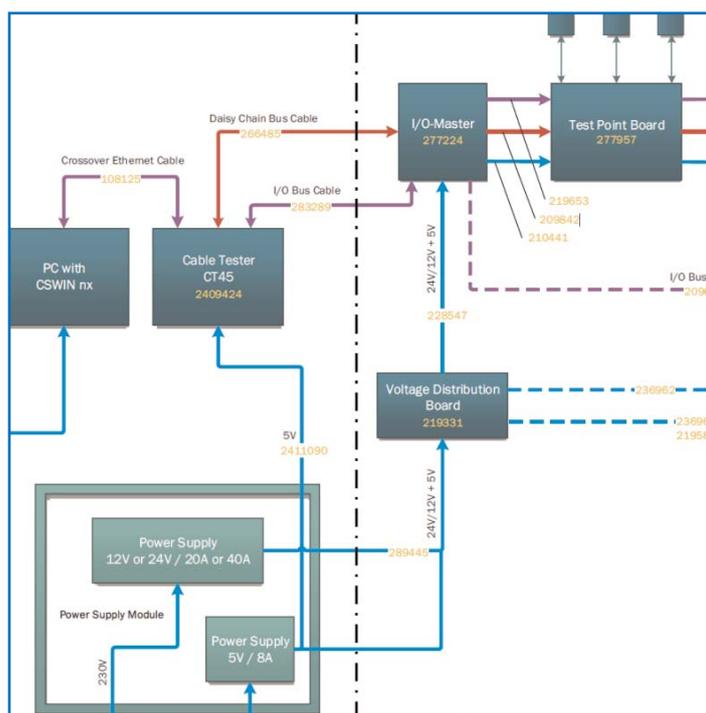
ATTENTION!

- Working on any electronic component while under power ("live") represents incorrect handling which will void the warranty.
- Please, switch off the tester and unplug the voltage supply cable from the tester each time the unit is to be opened..
- Unplug the power cable from the tester before making any expansions (e.g. inserting new test point cards) or carrying out repairs to the test system, the electronic components, cables or connectors.
- Extensions, replacement or repair of the electronic components of the test system may only be carried out by authorized personnel.
- Only use original spare parts from TSK.

POWER SUPPLY

Be aware, for the CT45 a 5V power supply is needed!

CONNECTING THE TEST SYSTEM



IMPORTANT NOTE

Do not use continuity testers or multimeter in the test system. Under no circumstances may foreign voltages reach the test point cards via the probes or the wire harness.

Avoid static charges and discharges in the vicinity of the Cable Tester and Test Systems.

EXCHANGE CT35 -> CT45

The CT45 is an adequate substitute for the CT35 measurement technology.

Note the following:

- Another DIO cable is required for connection between the CT45 and Master 2007.
- The CT45 is operating with 5V instead of 24V. The supply voltage can be found on the existing 5V power supply, if it provides 8A or more.
- There is no mixed operation of CT45 and CT35 possible (as with double link). Both links need a CT45.
- There are no changes required in the module template. You have only to assign the new configuration.
- A conversion set incl. mounting adapter is available with the Art. No. 2439 154.

NOTE

The complete documentation with all details you can order via e-mail as a PDF: info.pwf@komaxgroup.com