



komax

CT45 CABLE TESTER

The intelligent and measurement-accurate cable tester CT45 is used in our test systems with its complex functions.

Combined with the CS WIN nx® testing software, the CT45 cable tester tests electrical connections, components, optical fibers or the presence and position of mechanical components. In addition, it logs the test sequence in a controlled process and generates statistics for quality management.

Features

- Management of max. 8192 test points (or with two cable testers up to 16384)
- Supports all test point cards types
- Testing of passive electrical components within the wire harness
- New functions possible through firmware update

Equipment

- Measurement technology
- Control of digital inputs/outputs and test adapter LED for position and error detection
- Test point search function (PIN Probe)
- Communication via Ethernet

Measurements

- Short-circuit, Connection, Component, Leak test, fiber optic attenuation, color, B+ detection, and more

Technical data

Dimensions (D / W / H):	19" plug-in module (170 / 485 / 45 mm)
Input voltage / Nominal power:	5 V DC / max. 25 W
Number of test points:	max. 8192
Test voltage:	up to 15 V, $\pm 1\%$, min. ± 20 mV
Test current:	up to 122.5 mA
Continuity test via threshold identification:	20 Ω to 10 k Ω , $\pm 2\%$
Short-circuit test via threshold identification:	10 k Ω to 1 M Ω , $\pm 5\%$
Resistance measurement:	5 Ω to 100 k Ω , $\pm 1\%$, min. ± 2 Ω 100 k Ω to 10 M Ω , $\pm 5\%$
Capacitance measurement:	10nF bis 100 μ F, $\pm 5\%$, min. ± 10 nF. The measurement is performed with a typical frequency of $f_{Mess} = 20$ Hz. Deviations from the capacitor data sheet may have to be taken into account.
Diode test:	Zener (up to 11 V), Si, Ge
Digital outputs (DO):	8 channels, freely programmable, with max. 350 mA per output (500 mA total)
Digital inputs (DI):	8 channels, freely programmable
Position measurement:	5.0 mm travel length, ± 0.1 mm
Voltage IO bus:	12 V or 24 V
min. test software:	up from CS WIN nx® 6.0.x (Win 7/10)
min. hardware:	Depending on the CS WIN nx® requirement used