

REINHARDT

System- und Messelectronic GmbH

MCT 192-2 Cable Tester

- 192 high speed measuring channels
- CAD-models for individual solutions
- backplane and switch test
- autolearn
- compact and robust metal housing
- USB-interface
- 32 common industrial connectors
- in-line operation
- user-friendly Windows-software
- test record
- print out of error message
- can be calibrated

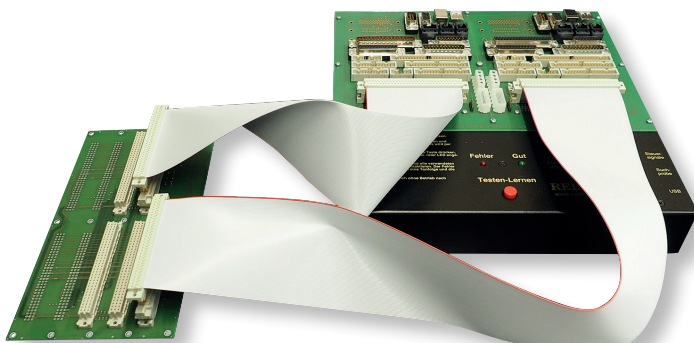
For more than 45 years we have been developing, producing and selling automatic function, in-circuit and combined test systems which are in line with market requirements. We also offer a universal, easy-to-use cable tester which can be calibrated.

Applications

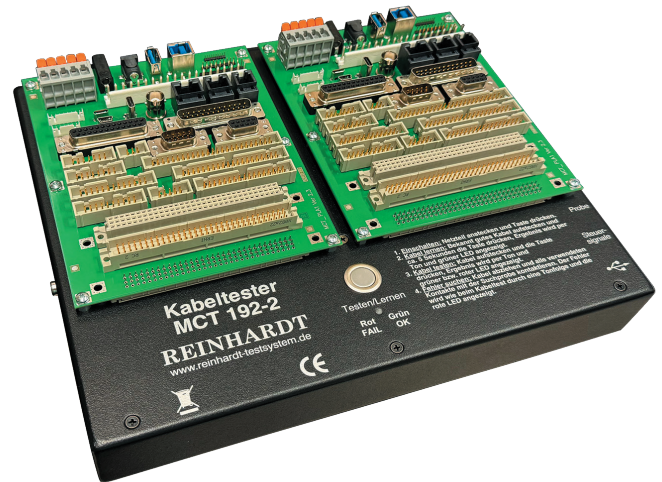
A defective cable, which often costs less than a Euro, can often cause serious damage. In order to grant from the start that the cables work properly and not to expensively search for defects or destructions later, the cable tester is used for testing computer cables, connecting cables in mechanical engineering and industrial plants as well as medical engineering or in home entertainment and household products.

MCT 192-2 Cable Tester

The high-speed cable tester tests multi-wire cables for short-circuits, interrupts and allocations within seconds. The cable tester is easy-to-use and offers low power-consumption. Its massive metal housing is made of 1.5 mm steel plate and has compact dimensions. It is very sturdy and stands steady.



MCT 192 cable tester in backplane test



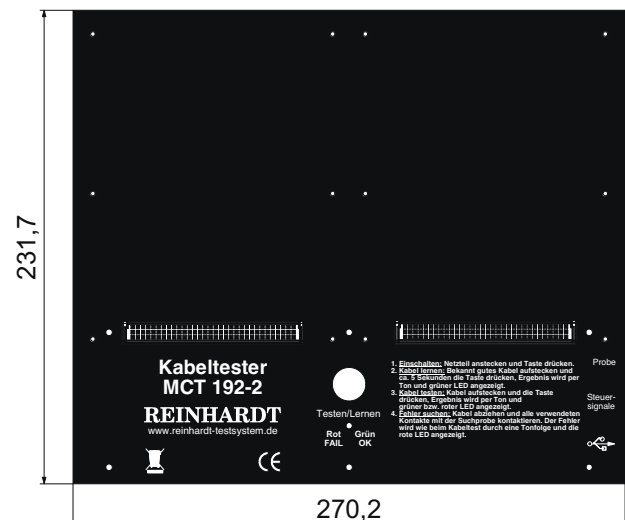
MCT 192-2 incl. 2 optional contact boards

Multi-Contact Board

The optional multi-contact board comes with a variety of contacting sockets and connectors which are common in the electric industries so that an adaptation is seldom necessary. You can also test cables with more than 2 connectors and complete backplanes or switches in different conditions by replugging.

Measuring Method

The cable tester checks the connections of the cable under test by stimulating one channel with low and all the others with high. The measuring result is then compared with the nominal wiring. Each pin is tested against all the others.



This method checks if there is a short-circuit (one connection too much) or an interrupt (one connection is missing).

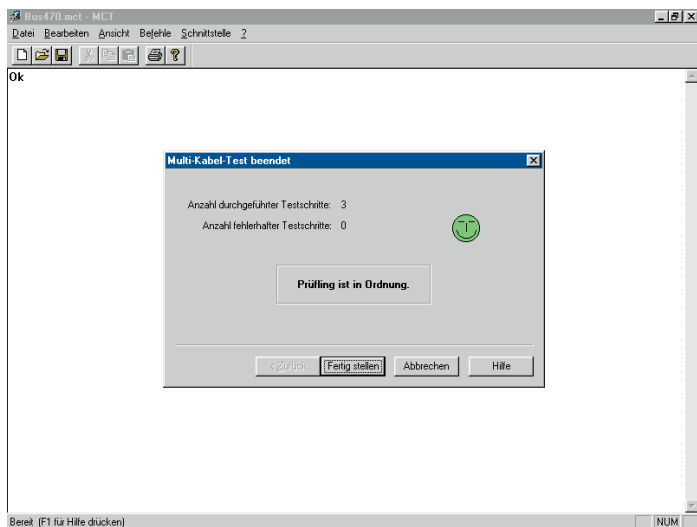
The cable tester can be used stand-alone as well as computer-controlled with a PC. You can also download a cable test program from your PC to the cable tester. Then you can test at another workplace, independent of your PC.

Programming in Stand-Alone-Operation

Programming is very easy and is done by Autolearn on a test item which is known to be good (This takes about 2 seconds). The test result (Good or Faulty) is indicated either by an acoustic signal or optically via LED. After a faulty test, the short-circuit or interrupt can be localised manually by a search probe.

Programming on the PC

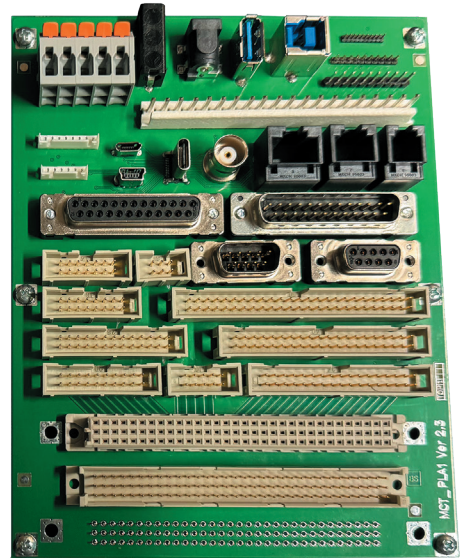
The cable tester comes with a software which can display the number and type of the learnt connections on a control computer. Wiring is learnt from a test item which is known to be good; it is displayed as a wiring list and saved (This takes about 2 seconds.). You can then use it for further cables of the same type. Defects are displayed by an optical signal and a fault protocol. A fault or good protocol can also be printed. By changing you can also test complete backplanes or switches in different conditions. For that the test must run in several steps. Programming a test is menu-guided: The software tells you which connector you have to plug in. In this test the software also creates a fault record which shows exactly how many faults occurred and where.



Provided Connector Types:

Sub-D 9pol., 25pol., (both male and female), LPV 6pol., 10pol., 14pol., 16pol., 20pol., 26pol., 34pol., 40pol., 50pol., USB3-A, USB3-B, USB-C, USB mini, USB micro, single row

male connectors 1.27 mm, 2 mm, 2.54 mm, 96pol. multi-way connector (both male and female), Western plug (4-, 6- and 8pol.), BNC-socket, CT-System 6pol., male connector 8pol., 4 mm Banana socket, wire-to-board 5 mm, 5pol., power socket, male connector 20pol. series KK41791. If a connector is not available, you can use a patch connector or a converter board. For your own purposes, CAD-files come with the device.



Control Board

The control board is often used at automated test stations. It can be controlled and read out via digital in- and outputs; integration via your own test software is easy.

What comes with the Cable Tester:

Cable test system, search probe, cable for serial interface, plug-in power supply, software für WIN 7®, WIN 10®, WIN 11®

Technical Data:

Dimensions:	270.2 mm x 231.7 mm x 58 mm
Weight:	2.7 kg
Test voltage / current:	5 V TTL, 50 μ A
Test threshold:	ca. 50 k Ω
Voltage supply:	USB-plug in mains supply 230 VAC
Computer interface:	USB
Fault finder:	via search probe
Test speed:	<1 s for 192 channels

IE & OE Specifications subject to change without prior notice!

11/2024