

Pro'sKit® CE

MT-7031 MINI LAN CABLE TESTER

User's manual



INTRODUCTION

The MT-7031 is a mini LAN cable tester with a plurality of network jumper test functions. This instrument can test the cable, such as RJ-45, RJ-11, RJ-12, RJ22, BNC, etc. Show the broken circuit, short circuit, interlaced and other faults of the network cable.

SAFETY RULES & WARNINGS



WARNING

This tester is not intended for use on powered circuits. Attaching this tester to a powered circuit can result in damage to the tester or injury to the user.

1. Read all instruction in this manual before using this tester. Failure to do so may result in damage to the tester or injury to the user.
2. Do not use this tester with its case open, or with parts removed. Doing so may damage the tester and/or injure the user.
3. When using this tester in schools and workshops, responsible teachers or skilled personnel must control the usage of this tester. Failure to observe this precaution may result in damage to the tester or injury to the user.
4. Follow the recommendations of any Trade Organizations or Regulatory Agencies whose scope encompasses the use of this tester failure to do so may result in damage to the tester or injury to the user.
5. Repairs and maintenance must only be carried out by qualified service personnel or qualified electricians/technicians who know the dangers of.
6. Do not apply voltage or current to any of the tester's connectors. Doing so may damage the tester and /or injure the user.
7. Remove the battery when the tester not in use for longer than a month. Chemical leakage from the battery could damage the tester.

PRODUCT FEATURES

1. Complies with CE safety standard
2. Tests shielded (STP) or unshielded (UTP) LAN cables
3. BNC cable indicator

4. Long cable test more than 300 meters
5. DC 60v anti-error detection entry protection

SPECIFICATIONS

1. Cables Tested: UTP and STP LAN cables Terminated in RJ-45, RJ-11/12/RJ22 cables with male connectors, BNC cables with male connectors.
2. Case Dimensions: 112*60*25mm (LxWxH)
3. Weight: 75g (without battery)
4. Battery: 12V battery. 23 A

PRODUCT DESCRIPTION

1. BNC connector
2. RJ-45 connector
3. OFF / ON/SLOW Switch
4. RJ-45 connector



ACCESSORIES

- BNC-RJ45 Terminator
- Instruction Manual

OPERATION

1. The MAIN and REMOTE unit:

The Mini LAN Cable Tester consists of a main unit and a remote unit. The remote unit stores conveniently on the bottom of the main unit. It can be removed or replaced by sliding it from left to right or right to left respectively.

2. Performing the test:

Once the remote and main units are attached to the ends of the subject cable, Switch setting ON or SLOW gear for measurement.

3. Interpreting the results:

- **Straight:** 1~8/S conductors of UTP/STP patch cord are all connected, both transmitter and receiver 1~8/S LED light up in order at synchronous. LED "S" indicate shield connection or no connection.
- **Crossover:** 1~8/S conducts of UTP/STP patch cord are all connected, both transmitter and receiver 1~8/S LED light up in order, sequence of receiver 1~8/S indicators light up are not follow transmitter 1~8/S indicators.
- **No connection:** Part of 1~8/S conductor of UTP/STP patch cord are not connected, both transmitter and receiver 1~8/S related LED won't light up;
- **Short:** 1~8/S conductors of UTP/STP patch cord are all connected, the transmitter 1~8/S LED light up in order, but related LED of receiver 1~8/S won't light up if it is short, the other will light up in order.

- The telecom cable map
6P6C: LED 2~7 must light up and the other LED are off.
6P4C: LED 3~6 must light up and the other LED are off.
6P2C: LED 4~5 must light up and the other LED are off.
For telecom cable status indication:
crossover · no connection or short · Fault display mode is the same as RJ45 network cable.

4. BNC testing:

BNC cable connection is normal, host and test remote 1-2 light is on; short circuit, host 1-2 light is on, test remote is not on; circuit break, host and test remote are not on.