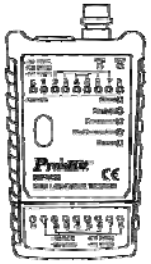
Pro'sKit®

MINI LAN CABLE TESTER

MT-7058

User's manual



INTRODUCTION

The mini LAN cable tester complies with CE safety standard, compact size and lightweight design for easy detection of good connections, opens, crossed wires & split pairs by only one touch testing. Traces wires with tone. Remote lights allow one person operation. Additional non-contact voltage detection provides user safety. Ideal for testing installed cables or patch cords with RJ-45, RJ-11, RJ12 and BNC connectors.

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 injury 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

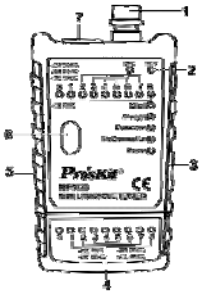
1. Complies with CE safety standard
2. Automatically detect good connections, opens, crossed wires & split pairs
3. Simple one button test
4. LEDs indicate connections and faults
5. Tests shielded (STP)or unshielded(UTP) LAN cables
6. BNC cable indicator
7. Non-contact voltage detection for user safety.
8. Long cable test more than 300 meters
9. Low power consumption with auto power off function to preserve battery.

SPECIFICATIONS

1. Cables Tested: UTP and STP LAN cables Terminated in RJ-45 male connectors. (EIA/ TIA 568)RJ-11, RJ-12 cables with male connectors, 2 to 6 connectors installed. BNC cables with male connectors.
2. Faults Indicated: No Connection, Short, Straight, and Crossover.
3. Low Battery Indicator: LED lights different colors to indicate low battery
4. NCV detection for AC60V~240V 60Hz
5. Case Dimensions:100*60*24.5mm(LxWxH)
6. Weight:120g (without battery)
7. Battery: 12V battery. AE23

PRODUCT DESCRIPTION

1. BNC connector
2. Non-contact voltage indicator
3. Power/sound on/off switch
4. RJ-45/RJ-11/12 connector
5. Auto / manual NCV switch
6. One touch push button
7. RJ-45/RJ-11/12 connector



ACCESSORIES

- Female BNC Terminator
- Instruction Manual
- Pouch Bag

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, as described in 3.2 and 3.3, testing may begin, simply press and release the test button on the main unit, observe the LED indicators, and note the beeping sound that comes from the main unit.

3. Interpreting the results:

3.1 Power LED:

The power LED should lights up whenever the test button is pressed and released. If the power LED turns red, replace the battery.

3.2 No connection LED

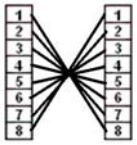
If the remote is not connected to the main unit with a cable, or the cable has no intake conductors, the no connection LED will light up and the beeper will sound for 4 times.

3.3 Straight/Crossover LED

When all of the appropriate numbered LEDs light up, the straight or crossover LED also lights up, and the beeper sounds for 4 times with crossover.. the beeper sounds for 3 times with straight it means the cable is all correct connection. If some of the LEDs do not light up, but others light up, and the straight LED also lights up, it means the cable is open. If some of the LEDs light up inconsistently, and the straight LED also lights up, it means the cable may be misconnected. Please check in turn of lighted LED of remote unit to identify which wires are misconnected or change left side switch to "Step" become manual function to check the misconnection status step by step.

⚠

If RJ45 or RJ11/12 all wires are wrong order that Straight LED will light 1 to 8, 2 to 7 and so on.



Note:

RJ-11/12 cables may have 2 conductors, 4 conductors, or 6 conductors. When testing 2 conductor cables, LED 4 ~ 5 must light up, for 4 conductor cables, LED 3~ 6 must light up and for 6 conductor cables, LED 2~7 must light up, and "STRAIGHT" LED also lights up. The numbered LEDs do not indicate a good connection exists; only shows connection exists. If "Short" LED lights up during test, it means the shorted was found in the cable.

3.4 Short LED

If 3 & 4 LEDs lights up, and all other LEDs do not light up, the cable is shorted; the "short" LED will light up.

3.5 Crossover LED

Numbered 1~8 LEDs will light up, and "Crossover" LED also lights up. Means wires are crossover or wire crossed.

4. BNC testing:

Numbered LEDs will light up during scanning, after scanning; both LEDs of BNC on the main unit and the BNC receiver will light up. If the BNC cable is short, only the LED of BNC on the main unit lights up; if the BNC cable is open, both LEDs of BNC on the main unit and the receiver won't light and "no connection" LED will light up..

5. Non-contact Voltage Detection:

Set the left side switch to the NCV position and push the test button, As the detachable antenna is located at the right top of the tester, close to right top of the tester to the live wires, the LEDs of NCV will light with sound.

⚠ Please put the tester as close as possible to surface of tested source for optima testing result.

When the wire multiple faults, test results show is in accordance with the host panel "test results show" the lights from the top down order, namely: Shot → Straight → Crossover → No Connection!