TENMARS
LC-90 Users Manual
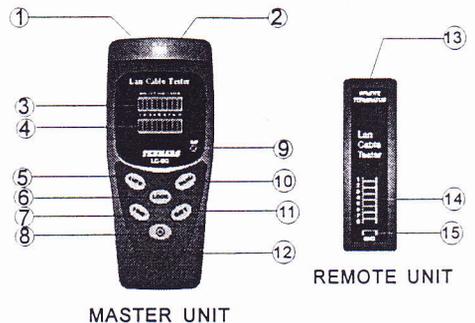
Lan Cable Tester

TENMARS ELECTRONICS CO., LTD

Thank you buying this instrument. Before use, please carefully read the manual so to operate it correctly and maximize the function of this instrument.

■ INTRODUCTION

The Lan Cable Tester (model LC-90) are newly designed and practical tester that can easily test the correct pin configuration of 10/100 base-T cable, 10 base-2 cable, RJ45/RJ11 modular cables, AT&T 258A cable, EIA/TIA 568A /568B cables and Token Ring Cable etc .by comparing one transmitting end and the corresponding receiving end. The Lan Cable Tester also can test installed cable far away either on the wall plate or the patch panels by using the remote kit. It is easy to verify

The cable continuity, open, short and miss-wired.

■FEATURES:

■ Test pin configuration for 10/100 base -T cable, 10 base-2 cable, RJ45/RJ11 modular cables, AT&T 258A cable, EIA/ TIA 568A/568B cables and Token Ring Cable etc.

■ Verify cable continuity, open, short and miss-wired.

■ Test installed cable far away either on wall plate or the patch panels by using the remote kit.

Auto and manual scan function.

■ Ground wire test.

■ Locked status wire function.

■ Buzzer sound warning for status wire.
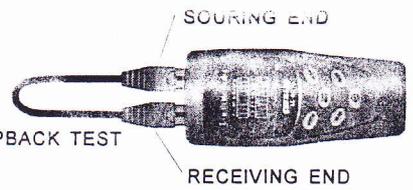
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■ NAMES OF PARTS

MASTER UNIT

REMOTE UNIT

1. RJ45 jack for receiving end.
2. RJ45 jack for souring end.
3. LED indicators for souring end.
4. LED indicators for receiving end.
5. AUTO scan control button.
6. LOCK control button.
7. TEST button for manual wire test.
8. POWER ON/OFF control button.
9. Low battery indicative lamp.
10. MANUAL scan control button.
11. Low battery control button.
12. Battery cover.
13. RJ45 jack for receiving end on remote unit.
14. LED indicators for receiving end on remote unit.
15. LED indicators for ground wire test on remote unit.
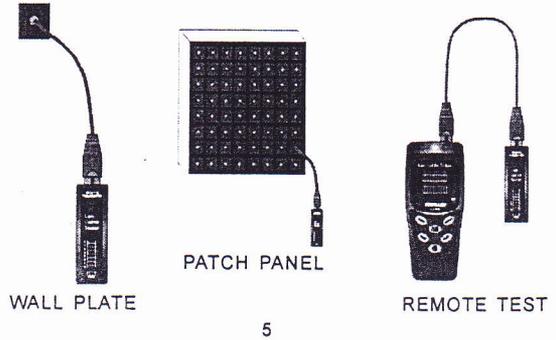
■ OPERATION

I.LOOPBACK TEST

1.Plug one end of testing cable on the Rj45 jack of souring end on the master unit and another end of testing cable on the remaining RJ-45 jack of receiving end on the master unit.
2.Press power on, the upper row LED will start sequential scanning process if you press "AUTO" button or the LED will light on pin 1 if you press the "MANUAL" button.
  Note: When the battery power is low(less than about 7V), the LED indicators may be dimmed, hold up or no light the test result may not be correct.
3.You can choose automatic scan or manual scan by pressing the "AUTO" or "MANUAL" button.
4.For model LC-90, the automatic lock status wire function will perform when using automatic scan function. By pressing "LOCK" Button, the tester automatic scans again.
5.When the loop is "OPEN", you will hear buzzer sound.

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SOURING END
LOOPBACK TEST
RECEIVING END

II.REMOTE TEST

1.Plug one end of testing cable on the Rj45 jack of souring end on the master unit and another end of testing cable on the Rj45 jack of receiving end on the remote unit. If the testing cable has already installed on the panel patch or inside the wall plate, you may use the adapter cable to perform the test.
2.Set to automatic scan mode on the master unit by pressing "AUTO" button.
3.Read the test result from the LED indicators on the remote unit.

WALL PLATE   PATCH PANEL   REMOTE TEST

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■ TEST RESULT

1.Continuity

1 2 3 4 5 6 7 8 G

Pin 2 is continued

2.Open

1 2 3 4 5 6 7 8 G

Pin 2 is opened

3.Short

1 2 3 4 5 6 7 8 G

Pin 2 and 3 are shorted

4.Miswire

1 2 3 4 5 6 7 8 G

Pin 2 and 6 are miswired

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■ ADDRESS&TELEPHONE

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Warning:

1.Please do not operate the tester in live circuit because it may damaged the tester.
2.If you will not use the tester for a long, take off the battery from battery compartment.

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