

# LAN CABLE TESTER

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## INSTRUCTION MANUAL

Test Equipment Depot - 800.517.8431  
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TestEquipmentDepot.com

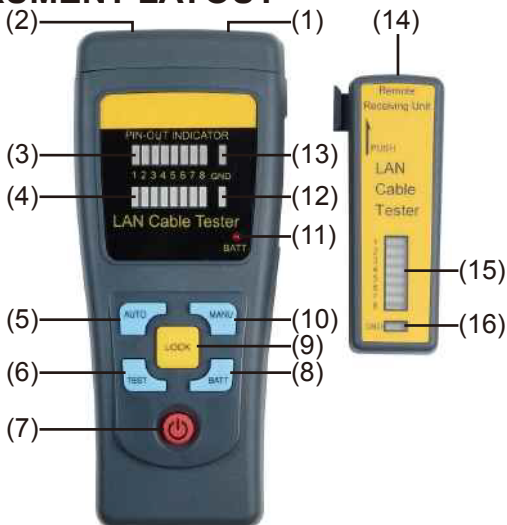
## **INTRODUCTION**

- The Lan cable tester is a newly designed tool that can easily test the correct pin configuration of the RJ45/RJ11 modular cables, 10/100 base-T cable 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 by using the remote receiving unit.
- The LCT provides the variety for wiring check, such as cable continuity, open status, short status and miss-wired.

## **FEATURES**

- Designed for RJ45/RJ11 modular cables, 10/100 base-T cable and Token Ring cable etc.
- The Lan cable tester can verify cable continuity, open, short circuit and miss-wired.
- The remote receiving unit is available for installed cables far away either on the wall plates or on the patch panels.
- Auto and manual scan function.
- Ground wire test.
- Lock status function.
- Buzzer sound warning for wire status.
- Display: LED indication for wire status.
- EN61326-1

# INSTRUMENT LAYOUT



- (1) RJ45 jack of sourcing end.
- (2) RJ45 jack of receiving end.
- (3) LED indicator of sourcing end.
- (4) LED indicator of receiving end.
- (5) Auto scan control button.
- (6) Test button for manual wire test.
- (7) Power ON/OFF control button.
- (8) Battery check button.
- (9) Lock control button.
- (10) Manual scan control button.
- (11) Battery check LED.
- (12) LED indicator of receiving end for ground wire test.
- (13) LED indicator of sourcing end for ground wire test.
- (14) RJ45 jack of the remote receiving unit.
- (15) LED indicator of the remote receiving unit.
- (16) LED indicator for ground wire test on remote receiving unit.

## SPECIFICATIONS

Display	LED
Operating Temperature	0°C~40°C
Power Source	9V (6F22,006P) battery x1
Dimensions	Master unit 132(L)x 55(W)x 39(D)mm Remote receiving unit 74(L)x 30(W)x 25(D)mm
Weight	Master unit: 148 g Remote receiving unit: 33 g
Accessories	Instruction manual Pouch Battery

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# OPERATION

## Loopback test

- Plug one end of the testing cable into the Rj45 jack of sourcing end on the master unit and another end of the testing cable into the RJ-45 jack of receiving end on the master unit.
- Press the "⏻" button, the master unit will start a sequential scanning process if the master unit is in "auto-scanning" mode.
- Press the "⏻" button, the pin1 LED lamps of the LED indicators will be alight if the master unit is in "manual-scanning" mode.

**Note:** When the battery power is low, the testing results may not be correct. Please replace with a new battery.

- You can choose a auto-scanning mode or a manual-scanning mode by pressing the "AUTO" button or the "MANU" button.
- The Lock function is available in "auto-scanning" mode.
- When the loop is "OPEN", you will hear the sound of the buzzer.

## Remote test

- Plug one end of the testing cable into the Rj45 jack of sourcing end on the master unit and another end of the testing cable into the RJ-45 jack of the remote receiving unit, then make tests.
- Read the testing results from the LED indicator on the remote receiving unit.



Loopback Test



Remote Test



Wall Plate



Patch Panel

## TEST RESULT

### a. Continuity

Pin 3 is continued



1 2 3 4 5 6 7 8 GND



### b. Open

Pin 4 is opened



1 2 3 4 5 6 7 8 GND



### c. Short

Pin 5 and 6 are shorted



1 2 3 4 5 6 7 8 GND



### d. Miss-wired

Pin 1 and 7 are miss-wired



1 2 3 4 5 6 7 8 GND



## MAINTENANCE

- Battery replacement:  
When press the "BATT" button, if the "BATT LED" doesn't glow, replace with a new 9V battery.
- Cleaning and storage:  
Periodically wipe the case deterged with a damp cloth; do not use abrasives or solvents.

**If the meter is not to be used for periods of longer than 60 days, remove the battery and store them separately.**

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