# LAN CABLE TESTER

INSTRUCTION MANUAL

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
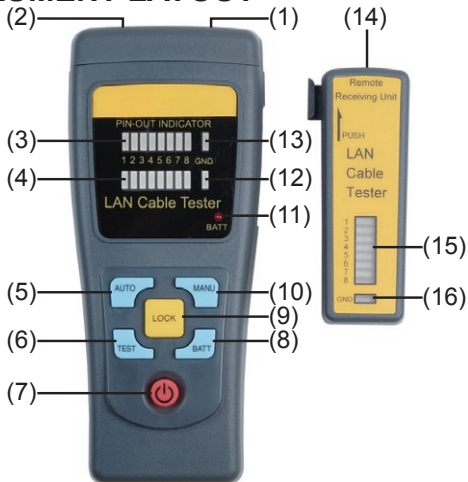
(1) RJ45 jack of sourcing end.
(2) RJ45 jack of receiving end.
(3) LED indicator of sourcing end.
(4) LED indicator of receiving end.
(5) Auto scan control button.
(6) Test button for manual wire test.
(7) Power ON/OFF control button.
(8) Battery check button.
(9) Lock control button.
(10) Manual scan 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

OPERATION

Loopback test
- Plug one end of the testing cable into the RJ-45 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 RJ-45 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.

Receiving end (IN)   Sourcing end (OUT)
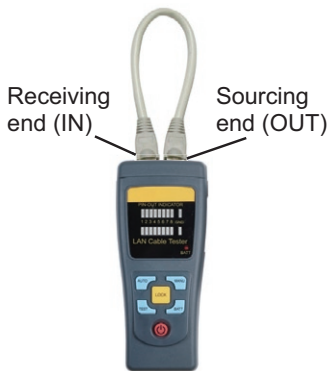
Loopback Test

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.

SEFRAM
32, rue Edouard Martel
BP 55
F42009 – SAINT-ETIENNE Cedex 2
France

Tel : +33 4 77 59 01 01
Fax : +33 4 77 57 23 23

Web : www.sefram.fr
Mail : sales@sefram.fr
Support technique: support@sefram.fr