

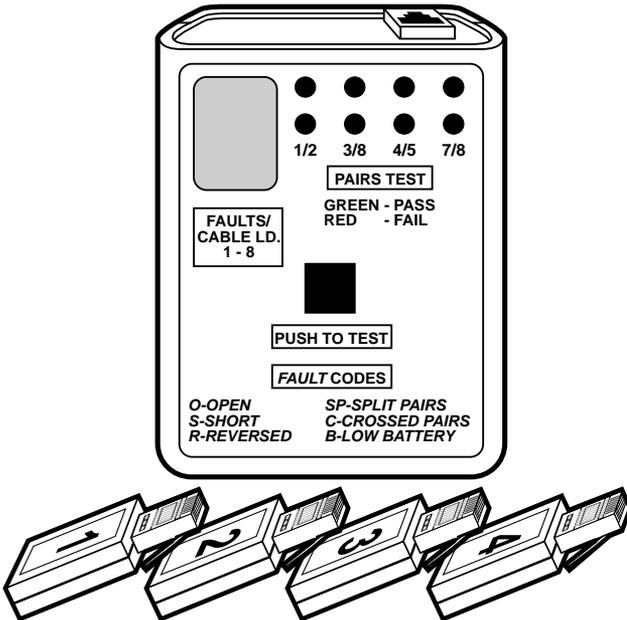


© Copyright 1993. Black Box Corporation. All rights reserved.

1000 Park Drive • Lawrence, PA 15055-1018 • 724-746-5500 • Fax 724-746-0746



LOCALMAP 100 Cable Tester Identifier Kit 234 Identifier Kit 5678 LOCALMAP 100 Carry Case



**CUSTOMER
SUPPORT
INFORMATION**

Order toll-free in the U.S. 24 hours, 7 A.M. Monday to midnight Friday: 877-877-BBOX
FREE technical support, 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746
Mail order: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018
Web site: www.blackbox.com • E-mail: info@blackbox.com

Contents

Chapter	Page
1. Specifications	3
2. Introduction	4
3. Operation	5

1. Specifications

Display — Single-digit 16-segment

Indicators — (8) LEDs: (4) red
“fail,” (4) green “pass”

Power — Main unit (TS620A):
(1) 9-volt alkaline battery;
Remote units (TS621, TS622):
none

Size — TS620A: 1.3"H x 2.8"W x 3.7"D
(3.3 x 7.1 x 9.4 cm);
TS621, TS622: 0.5"H x 1.1"D x
2.4"W (1.3 x 2.8 x 6.1 cm)

Weight — TS620A: 3 lb. (1.4 kg)

2. Introduction

The LOCALMAP 100 Cable Tester (TS620A) is a simple, inexpensive means to test all types of wiring faults found in 10BASE-T cabling. In addition to identifying wiring faults such as open pairs, shorted pairs, crossed pairs, reversed pairs, and split pairs, the LOCALMAP 100 can also verify and identify up to eight cables.

The Identifier Kit 234 (TS621) is an identifier kit for the LOCALMAP 100. It contains 3 additional remote units and allows the user to test up to 4 cables without having two people perform the tests. Units are labeled 2, 3, and 4 to enable the technician to identify and test additional twisted-pair segments.

The Identifier Kit 5678 (TS622) is an identifier kit for the LOCALMAP 100 unit. It contains 4 additional remote units and allows the user to test up to 8 cables (when used with kit TS621) without having two people perform the tests. Units are labeled 5, 6, 7, and 8 to enable the technician to identify and test additional twisted pair segments.

The TS623 is a carrying case for the LOCALMAP 100 and the remote unit kits (TS621 and TS622).

3. Operation

3.1 Cable Tester

The LOCALMAP 100 Cable Tester is extremely easy to use. A large display flashes fault codes when a fault exists and indicates the number of the cable it is testing. The remote unit inserts into the wall jack and the Tester connects to the other end of the cable. When you push the start button, the unit automatically runs all the tests and then turns itself off.

Green LEDs indicate that pairs 1/2, 3/6, 4/5, and 7/8 are wired correctly (per EIA 568). Red LEDs indicate failure. The large display signifies the particular type of fault. The fault codes are printed on the front of the unit and are as shown in **Figure 3-1**. Some examples of common faults appear in **Figures 3-2**.

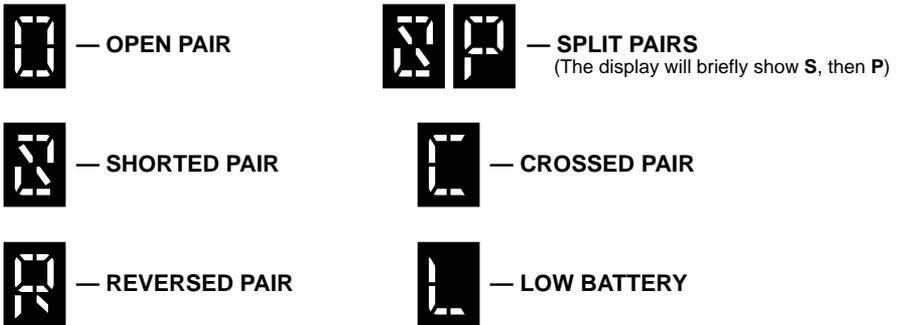


Fig. 3-1. Fault Codes.

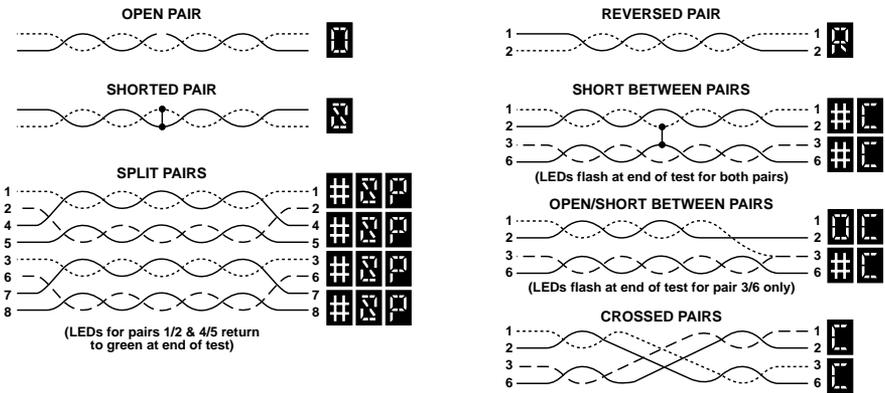


Fig. 3-2. Examples 1 and 2: Common Faults.

3.2 Cable Identifier

The Cable Identifier is equally simple to use. You can use up to eight remote units with each remote unit having its own identification number. For example, if the number “1” remote is inserted into a particular wall jack and the Cable Tester is plugged into the other end of the cable. The large display will show the number “1” in addition to providing all the FAULT CODES. So, by using the unique remote units, wire fault finding, cable identification, and cable verification becomes a one-person operation. If all pairs are open and/or shorted, the cable-locator feature will not function.

When the battery voltage becomes low, the display will flash the letter “L” four times in rapid succession. Replace the battery when this happens, because the unit will not operate properly with a low battery.

Under certain conditions, you may get a reading error (such as wrong remote indication because of impedance anomalies and Low Battery indication because of an over-voltage condition). The unit will flash a “V” in response to over-voltage from a live telco line.

Use a short RJ-45/RJ-45 adapter cable to relieve the strain on the RJ-45 connector mounted in the Tester.