# LANtest-E Wire-Mapping Cable Tester

Model E-551

LANtest-E features a brand new compact design with the functions of the original LANtest. It is practical, easy to use, and provides crystal-clear results. LANtest-E maps actual wiring configurations for 10/100BASE-T cables, BNC cables, RJ45/RJ11 modular cables, 258A, EIA/TIA 568A/568B and token ring cables. With the included Remote unit, one-person testing of cables installed in walls or patch panels is easy.

## **FEATURES**

- Pin-to-pin wire-mapping for RJ45, RJ11 and BNC cables
- Dual-speed testing
- One-person testing
- Compact and light-weight design
- Remote attached to the Main unit for carrying/storage convenience

## **CONTENTS**

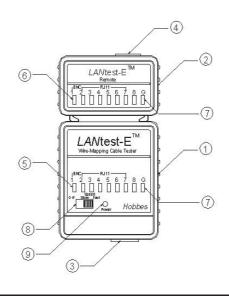
One LANtest-E (Main and Remote units)

One Carrying Pouch

One Accessory Kit: RJ45 to RJ45 Patch Cable

RJ45 to BNC Adaptor Cables (M) 2 BNC to BNC Adaptor Cables (F) 1 RJ11 Jack plastic shield 2

- 1 Main Unit
- 2 Remote Unit
- 3 RJ45 Jack of Main Unit
- 4 RJ45 Jack of Remote Unit
- 5 Main (Transmitting) LEDs
- 6 Remote (Receiving) LEDs
- 7 Ground LED
- 8 Power switch and speed control
- 9 On/Off indicator



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## WARNING

- Before performing a test, please make sure the battery installed is in good condition. Using a new
  9-Volt Alkaline battery is recommended.
- DO NOT perform testing in live circuits.

# INSTRUCTIONS for Cable Continuity Testing and Wire-Mapping

- **Step 1** Plug one end of cable into the RJ45 jack on Main unit, and the other end into the RJ45 jack on the Remote unit. **Using appropriate adaptors to test RJ11 and BNC cables.**
- **Step 2** Power on the Main unit by moving the switch to either Slow or Fast testing mode.
- Step 3 LANtest-E starts scanning from Pin 1 to Pin Ground, and repeats.
- **Step 4** Reading results by comparing Main unit to Remote unit LEDs. To test installed cable, reading results from Remote unit.

## **RJ45**

- **1. Good cable**: The corresponding LEDs on the Main unit and the Remote unit will illuminate simultaneously. For example, LED 1 on the Remote unit will illuminate at the same time as LED 1 on the Main unit.
- 2. Open: One or more LEDs on the Remote unit will not light up when the Main unit scans.
- **3. Reversed/Miswired/Crossed**: LED illuminated on the Remote unit does not match the LED illuminated on the Main unit.
- **4. Shorted**: Two or more LEDs light up simultaneously on Main or Remote unit. The LEDs illuminated will be slightly dimmer than normal.

### **RJ-11**

- 1. Good cable: The LED on the Remote unit will illuminate from the in the opposite order (right to left) on the Main unit.
- 2. Open: One or more LEDs on the Remote unit will not light up when the Main unit scans.
- **3. Miswired**: LED lit on the Remote unit is not the symmetrical opposite of the one illuminated on the Main unit.
- **4. Shorted**: Two or more LEDs light up simultaneously on Main or Remote unit. The LEDs illuminated will be slightly dimmer than normal.

### **BNC**

- 1. Good cable: Only LED 1 and LED 2 will light up on both Main and Remote units.
- 2. Open: Either LED 1 or LED 2, or both, do not light up on the Remote unit.
- **3. Shorted**: Both LED 1 and LED 2 light up simultaneously.

## SAMPLE TEST RESULTS

