

Instruction Manual



Patent Pending

Model 240
Remote Network Cable Analyzer

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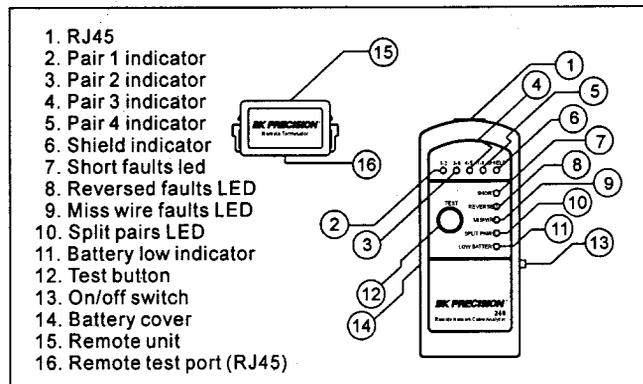
Introduction

Congratulations on your purchase of the Model 240 Remote Network Cable Analyzer! The 240 is a small hand-held cable tester, which enables network professionals to quickly and easily verify the integrity of Ethernet twisted pair cables. In one step, the 240 will test twisted pair cables for open pairs, shorted pairs, reversed pairs, crossed pairs and split pairs. Just push the TEST button, and the 240 will automatically scan for any existing faults in your cable. The design patented remote terminator is provided for one-person testing of installed cables.

Package Contents:

- * Model 240 master box
- * 1 remote terminator
- * Users manual
- * Soft vinyl carrying pouch

Product Profile (see figure 1)



Features

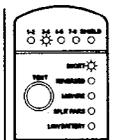
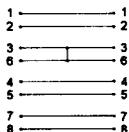
- Tests for wiring faults of open, short, reversed, crossed and split pairs
- Split pair fault detection at a minimum 40cm cable length
- Verification of shield integrity
- Specially designed remote unit that enables one person to test installed cables
- Easy to read fault display and high speed testing
- Debug mode for detailed fault identification results
- Auto sleep mode and power off switch to decrease power consumption
- Low battery indicator

Specifications

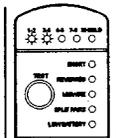
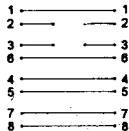
- **Connectors**
Model 240 Master Unit - RJ45 jack
Remote Unit - RJ45 jack
- **Pairs tested**
1/2, 3/6, 4/5, 7/8 and shield
- **LED display**
5 horizontally aligned green LEDs for pairs and shield display (1-2, 3-6, 4-5, 7-8 and SHIELD)
5 vertically aligned red LEDs for fault display (OPEN, SHORT, REVERSED, CROSSED, SPLIT PAIRS and LOW BATTERY)
1 stand alone LED for tone generator active display
- **Cable test length limit**
Minimum: 0.4m Maximum: Over 200m
- **Power:**
240 Master Unit - 6V alkaline DC battery (not included)
Remote identifier - no battery required
- **Dimensions:**
125 x 52 x 30 mm (L x W x H)
- **Weight:**
125g

Fault Status

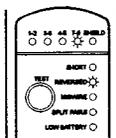
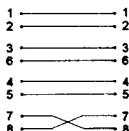
● Short



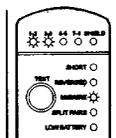
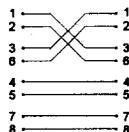
● Open



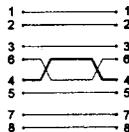
● Reversed



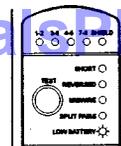
● Miss-wire



● Split



● Low Battery



Test operation

1. Slide the switch on the right side of the tester is in the CABLE position.
2. Plug one end of the subject cable into the RJ45 jack on the master unit and the other end into the RJ45 jack on the remote terminator.

Note: The remote terminator can be slipped and locked into the master unit for convenient testing of patch cables.

3. Push and release the test button and check the results:
 - a. First, check the 5 horizontally aligned green LED indicators (1-2, 3-6, 4-5, 7-8, SHIELD) for integrity status:

Solid light: pair is OK
Flashing light: pair is faulty
No light: open pair

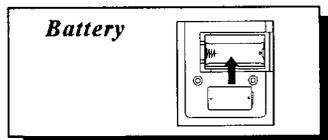
- b. Simultaneously, check the 5 vertically aligned LED indicators (SHORT, REVERSED, MISWIRE, SPLIT PAIRS) for the wiring faults.
 - c. For more detailed information about what faults are occurring in which pairs, hold the TEST button for 2 seconds to activate "Debug mode." The tester will test each pair one by one, pausing briefly on each pair, and display the corresponding fault status.
4. Always switch the power to OFF when testing is completed in order to prevent battery drain.

Tone Generator Operation

1. Slide the switch on the right side of the tester to the TONE position.
2. Connect the subject cable to the RJ45 jack on the top of the master unit of the tester. To send a tone into a patch panel, connect one end of a patch cord to the RJ45 jack on the tester and the other end to a jack on the patch panel.
3. Generating a tone
 - a. Single tone: Press and quickly release the TEST button on the tester unit
 - b. Dual tone: Press and hold down on the TEST button for two full seconds
4. Use Model 240P Cable Tracer or any cable tracing product in the market to trace the subject cable. The signal reception will be strongest near the subject cable.
5. Slide the switch on the right side of the tester to the OFF position to discontinue the tone.
6. Always switch the power to OFF when testing is completed in order to prevent battery drain.

Battery Replacement

When the LOW BATTERY light illuminates, the battery does not have sufficient power to support an accurate test. At this time, you must replace it with a new battery. (See figure 5)



Warning

1. Do not connect the 240 to a live circuit as this may damage the tester.
2. Testing in a high frequency activated area may cause the tester to give inaccurate readings.
3. Do not drop or get the tester wet as it may cause internal damage.
4. Do not place the tester in areas of high humidity or direct sunlight.
5. Do not open the tester or attempt to repair in case of malfunction. Please send it back to your distributor for repair or replacement.

Service Information

Warranty Service: Please return the product in the original packaging with proof of purchase to the below address. Clearly state in writing the performance problem and return any leads, connectors and accessories that you are using with the device.

Non-Warranty Service: Return the product in the original packaging to the below address. Clearly state in writing the performance problem and return any leads, connectors and accessories that you are using with the device. Customers not on open account must include payment in the form of a money order or credit card. For the most current repair charges contact the factory before shipping the product.

Return all merchandise to B&K Precision Corp. with pre-paid shipping. The flat-rate repair charge includes return shipping to locations in North America. For overnight shipments and non-North America shipping fees contact B&K Precision Corp..

B&K Precision Corp.
1031 Segovia Circle
Placentia, CA 92870
Phone: 714-237-9220
Facsimile: 714-237-9214
Email: service@bkprecision.com

Include with the instrument your complete return shipping address, contact name, phone number and description of problem.

1031 Segovia Circle
Placentia, CA 92870
714.237.9220
714.237.9214 Facsimile

Limited One-Year Warranty

B&K Precision Corp. warrants to the original purchaser that its product and the component parts thereof, will be free from defects in workmanship and materials for a period of one year from the date of purchase.

B&K Precision Corp. will, without charge, repair or replace, at its option, defective product or component parts. Returned product must be accompanied by proof of the purchase date in the form a sales receipt.

To obtain warranty coverage in the U.S.A., this product must be registered by completing and mailing the enclosed warranty card to B&K Precision Corp., 1031 Segovia Circle, Placentia, CA 92870 within fifteen (15) days from proof of purchase date.

Exclusions: This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alternations or repairs. It is void if the serial number is alternated, defaced or removed.

B&K Precision Corp. shall not be liable for any consequential damages, including without limitation damages resulting from loss of use. Some states do not allow limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific rights and you may have other rights, which vary from state-to-state.

Model Number: _____

Date Purchased: _____