B&K PRECISION

INSTRUCTION MANUAL
Model 206 PC Cable Tester

Introduction

The Model 206 PC Cable Tester will measure the wire continuity of the most commonly used cables used to connect PC computers to peripherals and networks. The cable wiring as well as shorts and opens can be determined using this instrument.

WARNING: DO NOT USE ON LIVE CIRCUITS

Cable Types

The Model 206 can be used to measure the following types of cables:

* D sub cables (DB9, DB15, DB15HD, DB25, Centronics)
* BNC, Coax (inner conductor, outer shield)
* RJ45/RJ11 (shielded and non shielded)
* Universal Serial Bus (USB)
* 1394 (Firewire)

Test Instructions

1. Battery. Your unit is shipped to you with a 9V battery installed, but unconnected. Open the battery compartment on the bottom of the unit and connect the battery. Close battery compartment and unit is now ready for use. The battery will need replacing when LEDs become dim.
2. Connect a cable to be tested between the TRANSMIT (gray) side and the RECEIVE (blue) side. If one connector on the cable is larger (more pins) than the other end connector, plug the larger connector into the TRANSMIT side. The exception to this requirement is when testing a Centronics cable.
3. Turn power switch to ON position.
4. With the CABLE button, select the CABLE LED to test the installed cable. The CABLE LED selected should be equal to or greater than the number of cable wires.

CABLE LED	TEST
4	Coax, USB
9	RJ45/RJ11, DB9, 1394
15	DB15, DB15HD
25	DB25, Centronics

Note: a. For Coax, the outer conductor is tested as the shield, the inner conductor as wire 1.
b. If the cable is unshielded, the RECEIVE shield LED will be off.
c. If there are less wires than the cable (LED) selected, the unused wire LEDs will be off on the RECEIVE side. (Example: LED 9 on RECEIVE side will not turn on when testing the RJ45 with the 9 cable LED selected)

5. Press the WIRE button to test each wire in the cable. If there is a wire in the cable making continuity between the ends, at least one LED on the RECEIVE side will light showing continuity to the TRANSMIT side.
   Note: Some cables are designed to have open wires or in some cases multiple connections. If there are multiple connections (shorts), then the corresponding LEDs will turn on. If you are in doubt about the exact configuration your cable should be, you may have to compare with a known good cable or contact the cable manufacturer.
6. Auto Test Mode. To have the instrument auto scan the cable (instead of pressing the WIRE button each time), press the WIRE button for approximately two (2) seconds and the tester will automatically scan the wires. To stop the Auto Mode, press WIRE switch again.
7. Reverse Test. On occasion you may want to back up to a previous LED (wire) position. This can be done easily by pressing and holding the REVERSE button. When the REVERSE button is pressed, the test sequence will be reversed (right to left). REVERSE operates in both the manual and auto test modes.

Time Out Feature

To extend battery life, the instrument will turn off the LEDs if not used for approximately five (5) minutes. However, to maximize battery life the instrument should be turned off when not in use.

Maintenance

Your Model 206 should require no maintenance other than changing the battery when required. To clean instrument, use damp cloth with mild cleaning detergent. Do not use water directly on instrument due to potential damage.

Specifications

Power: 9V Battery
Dimensions (H x W x D): 1.65 x 8.55 x 5.5" (42 x 21.7 x 14mm)
Weight: 1.3lbs. (590g)
Supplied: Manual and Battery