

IPC CABLE TESTER

Operating The Equipment

Tracing Pairs

- 1) Connect the cable with alligator clip to the transmitter.
- 2) Connect the red clip to one of the tracing wire and the black clip to the other.
- 3) Switch on the transmitter.
- 4) Push the SCAN button on the transmitter and the SCAN indicator will switch on.
- 5) Activate the receiver by pressing and holding the SCAN button.
- 6) At the opposite end of the wire, move the receiver tip near each pair. The pair with the loudest tone is the intended pair.

Tracing Cables

- 1) Connect the cable with alligator clip to the transmitter.
- 2) Connect the red clip to :
 - a) wire in the unknown cable for cables with multiple wires.
 - b) The outer shield for tracing a shielded / coaxial cable.
- 3) Connect the black clip to :
 - a) Another wire in the unknown cable but not in the same pair or to ground for cables with multiple wires.
 - b) The center conductor or ground for tracing a shielded / coaxial cables.
- 4) Switch on the transmitter.
- 5) Push the SCAN button on the transmitter and the SCAN indicator will switch on.
- 6) Activate the receiver by pressing and holding the SCAN button.
- 7) Move the receiver towards a section of the wall where the cable could be located. When the loudest tone is obtained, the cable is located there.

Tracing Phone Lines

- 1) Connect the RJ-11 cable with the transmitter and phone jack.
- 2) Switch on the transmitter.
- 3) Push the SCAN button on the transmitter and the SCAN indicator will switch on.
- 4) Activate the receiver by pressing and holding the SCAN button.
- 5) Move the receiver close to each phone line. The line with the loudest tone is the intended line.

Note : Press Hz button to adjust the tone Frequency for easily identify the signal from the environmental noise.

Tracing Data / LAN Cable

- 1) Connect the RJ-11 / RJ-45 cable with the transmitter and phone jack.
- 2) Switch on the transmitter.
- 3) Push the SCAN button on the transmitter and the SCAN indicator will switch on.
- 4) Activate the receiver by pressing and holding the SCAN button.
- 5) Move the receiver close to each phone line. The line with the loudest tone is the intended line.

Note : it is allowed to plug in the testing cable to the transmitter directly if the testing cable was installed with plug.

Note : Press Hz button to adjust the tone Frequency for easily identify the signal from the environmental noise

Cable Testing

⚠ Never use the Cable Testing features on a live circuits.

- 1) Connect the testing cable with the transmitter.
- 2) Switch on the transmitter.
- 3) Push the V button and the VOLT indicator will switch on to indicate the transmitter is standby.
- 4) If voltage is present in the testing cable, either the SCAN or OHM indicator will switch on.

Note : only model A has this feature .

Battery Voltage Testing

- 1) Connect the cable with alligator clip between the transmitter and the testing battery.
- 2) Switch on the transmitter.
- 3) Push the V button and the VOLT indicator will switch on to indicate the transmitter is standby.
- 4) If the red clip is connect to the positive side, the SCAN indicator will switch on.
Otherwise, the OHM indicator will switch on.

Note : only model A has this feature .

Continuity Test

- 1) Plug the cable with alligator clip in the transmitter RJ-11
- 2) Connect the cable with alligator clip to the two ends of the testing cable
- 3) Switch on the transmitter.
- 4) Push the button and the OHM indicator will switch on.
- 5) SCAN indicator will switch on if the cable is good enough to let current pass through.

Note : only model A has this feature .

Auto Power Off

The equipment will automatically switch off if there is no function or button press for 30 minutes.

Maintenance

Replacing batteries

⚠ Warning

To avoid shock, injury, or damage to the equipment, remove all the connection before opening the battery doors.

Replace the battery if the power indicator on the transmitter is flashing and/or the power indicator on the receiver do not switch on. To replace the battery, switch off the transmitter. Open the battery doors as following photos.



Replace the 3 x 1.5V AAA (R6) batteries for the transmitter and 1 x 9V (6F22) battery for the receiver.

Cleaning

Wipe the case with a damp cloth and mild detergent. Do not use abrasives or solvents. Dirt or moisture in the jacks can affect the measurement.

Environmental Limitations

Temperature:

-10 to 50 degrees C
14 to 122 degrees F

Relative Humidity:

0-90%, non-condensing