

IR-Window functional tester User Manual



1. The function of tester:

- 1.1 Check the infrared transmission capability of any molded IR-Window material. (Side-drawer socket)
- 1.2 Check the infrared transmission capability of an assembled CHX B-cover. (Up-side socket)

The test method uses the same IrDA solutions as the telephone uses. The infra-red transmissibility of sample passes when the test-communication was successful.

2. The tester specifications:

The tester is built in a 70*100*160mm plastic case. During the IrDA communication test the program sends a 128 character long message across the inserted IR-window in both directions. When all information is successfully received in both of IrDA circuits, the test passed, in any other cases it will be fail!

When test process is done, the tester gives sound signal. One long beep means the test failed and two short beeps mean the test passed. The red and green LEDs and numeric displays indicate the number of passed and failed tests.

3. Installation:

Connect the 12V-DC power supply to the tester and the 200-230V-AC power connector. (The AC-DC adaptor included with tester) After power on, the tester reload the counter's data from memory while sign a beep and ready to work. The mentioned method of installation, first connect the adaptor to the tester then plug the adapter into the power connector.

4. Using the tester

4.1 Using the tester in IR-Window test:

1. Pull out the drawer to outer end-position.
2. Insert the IR-Window into the socket.
3. Push the drawer till the inner end-position. The drawer positioning by magnetic lock in this position.
4. The test procedure starts automatically.
5. After test finished, pull out the drawer and remove the IR-Window from socket.



4.2 Using the tester in B-cover test:

1. Draw up the upper side cover.
2. Insert the B-Cover into the socket.
3. Push back the cover into the socket.
4. The test procedure starts automatically. (by magnetic trigger)
5. After test finished, draw up the cover and remove the B-cover from socket.



If the drawer / upper side cover position not fix till the test is running, the tester terminate the process and sign a double beep.

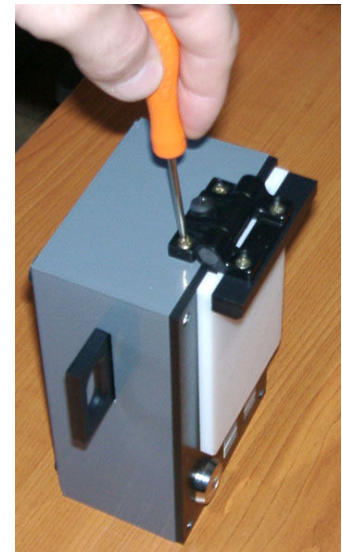
When the key-switch is turned on the tester resets the counters. After the reset a beep indicates until the key is on the reset state.

When the tester turns off (the AC-DC adapter is pulled off from the wall) the counters will be saved. During the next power-up the tester reloads the last values to the displays. In case of the power instability may the tester will activate the “power off” state. In this state will save the values, sign a beep and blinking the red indicator. To reset the tester need switch off the power (unplug it) and start again.

5. Replacing the IR-Window sockets:

The side-socket is replaceable in the following way:

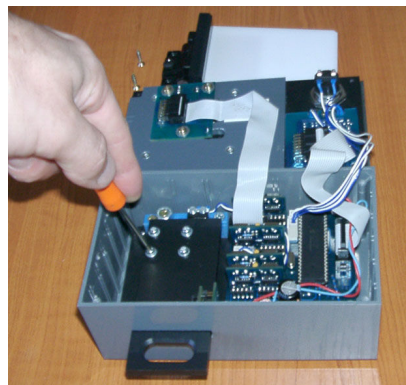
1. Remove the upper side cover with hinge.
2. Open the tester with the four screws on the top side. Remove the top side carefully from the box.
3. Release the four screws from sliding IR-Window drawer (socket).
4. Remove the IR-Window drawer and insert the next one into the hole.
5. Fix it to the carriage with the four screws. When position fixed by screws, please be careful the position of the drawer (referred to the window on box) let be same inner and outer position!
6. Insert back the top side to the box, and fix it with the screws.
7. Assemble the hinge to the box.



1. Remove the upper cover



2. Open the tester safety



3. Release the drawer



4. Replace the drawer.