

WIRE TESTER

INSTALLATION AND USER INSTRUCTION

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Version 1.0

DISCLAIMER

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+94 71 3698 608

Wire Tester

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1. PREFACE

1.1 Description of the user

The intended user should be familiar with the basic electronic devices.

1.2 Explanation of safety warnings

For your own safety please read user instruction manual before operate the system

WARNING! Do not keep the Wire Tester in a **wet area**.

1.3 Retaining instructions

Before using this product, read and understand this manual and its safety precautions. Failure to do so can result in harsh consequences.

Comply with all the directions. This will prevent fires, explosions, electric shocks, and other risks that might cause property damage.

2 Description of the product

2.1 Purpose of the product

The purpose of the wire testing device is to quickly and accurately test for **continuity**, **short circuit**, and **attenuation** in the two-conductor line cable.

Continuity Test – Test whether the whether the cable has damaged.

Short-circuit Test – Test whether the two conductor lines shorts.

Attenuation Test – Test whether the cable is capable of carrying high-frequency internet signal.

This device is essential for anyone who needs to ensure that two-conductor line cables are in good working order, whether for personal or professional use. By using this device, users can quickly identify any faults in the cable and take appropriate action to ensure that the cable is functioning optimally.

2.2 Technical data

Parameter	Unit
Voltage	12 V
Testable wire length	1m – 1000m
Testable wire diameter	0.3 mm – 1 mm
Operating Temperature	-44 to 45 °C
Version	1.0

Table 1: Technical parameters of the wire tester

2.3 Product elements

LCD Display

At the start the display shows you the length of the cables. That length can be adjusted using the physical buttons. Then when the test is started it shows how the procedure is being done. After the test it shows the final results of the three tests.

Physical Buttons

There are three physical buttons on the device. The three buttons are,

- (+) - Button 1
- (OK) - Button 3
- (-) - Button 2

From (+) and (-) buttons the arrow can be moved up and down. Using (OK) button you can select the,

1. Length – after selecting this you can insert the length of the cable using (+) and (-) buttons. After You have entered the length press (ok) button again.
2. Width – after selecting this you can insert the width of the cable using (+) and (-) buttons. After You have entered the width press (ok) button again.
3. Start Test – After you have set the length and width you can select this option by pressing the (ok) button.



Fig. 1 Main components of the wire tester

Terminals

There are two, two terminal connectors on the device. The two end of the Two conductor line cable should be connected to those two terminal connectors. Make sure you connect to the connect correct terminal. (ex- if one end of a line is connected to the terminal 1 of the one connector, then the other end must be connected to the terminal 1 of the other connector) Not connecting to the correct terminal will give you errorness results.

Power adapter

The Power adaptor is provided with the device. Use that device to power-up the device. (If you are using any other adaptor make sure that it has same ratings as the adaptor provided.)

3 Operation/Use

3.1 How to use the product ?

1. Preparing the Device

Before you begin testing, ensure that the device is properly set up and ready to use. Here are the steps to follow:

- a. Power on the device and make sure that it's functioning properly.
- b. Connect one end of the two-conductor line cable to one connector and other end to the other connector.

2. Start the Test

After device is prepared, to test the two-conductor line cable, follow these steps:

- a. Set the lengths and widths of the cable using the physical buttons.
- b. Connect the two ends of the two copper lines cable to the two connectors.
- c. Select “Start Test” to start the test.

4 Safety Instructions

- Personal Safety –
 1. Unplug the device when not in use.
- Work Area Safety –
 1. Keep the device in a dry area.
- Electrical Safety
 1. Use the 12 V power adaptor to power up the device.
 2. Do not directly plug the device to the home AC supply.