

6.2 Hook on/off

In normal condition, “Hook” key is loosen (Hook on). When needs to hang up or make battery self checking please press the Hook key and push it forward, the key will be clamped to the state of on hook. Press the clamped key and pull back, loosing the key to the state of off hook.

6.3 DC high-voltage protection range

The tester protects various carrier DC high voltage (such as 0+4, 0+8). The highest is 300V. But it isn't available to AC high-volt. Please avoid direct link to 220V AC power.

6.4 Call subscriber

The tester rings up the subscriber itself, mainly for checking subscriber's line maintenance by ringing and distinguishing the tone.

6.5 Battery life

Generally, new battery life is 1~2 months. Additionally this tester is able to take power from line if it is only used as a telephone.

Tel Line Tester

User Manual

Lineman's Perfect Assistant With Pocket Design

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This tester takes power from the telephone line when dialing and monitoring. That is, Battery only supports fault testing, ringing up subscriber and checking line pairs.

If high-volt alarm LED is on it means that there is hazard. Please take off the clamp as quickly as possible.

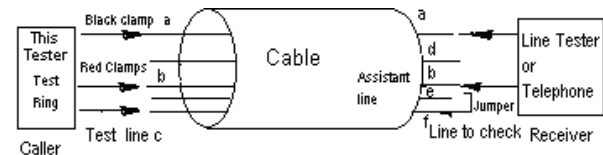
Loosen “Monitor” and “Talk” when the tester is off operation. Pick out the battery if long time off operation.

6. Operation Questions

6.1 Check line pair.

We can check line pairs with this tester (Party A) and another available telephone or tel line tester in Party B. First, Party A and Party B are in normal condition. Party A links the red clamps with any core line and this core line is regarded as the assistant line now. Please let Part B link the assistant line to the core line to test. The man of party A twists one of line to check with the assistant line and keep in communicating mode with Party A. Then, the man of party A makes every core line touched by line pair ring...until both sides hear flute sound, which means Party A and Party B shares the same core line. Then check the other line in the same way.

Check line pair map:



Link Test line to subscriber's line press Talk key first then press Test key intermittently to call subscriber. If Talk LED is shining it means the subscriber take the telephone please stop calling to talk with subscriber. This function can be used to check the line maintenance.

5.4 Monitor

Press Monitor key to monitor and check the line without influence to the subscriber telephone and data service.

5.5 Check line pairs

We can check line pairs by this tester (Party A) and a telephone or other tester (Party B).

First, Party A and Party B are in normal condition. Party A links the red clamps with any core line and this core line is regarded as the assistant line now. Please let Part B link the assistant line to the core line to test. The man of party A twists one of line to check with the assistant line and keep in communicating mode with Party A. Then, the man of party A makes every core line touched by line pair ring...until both sides hear flute sound, which means Party A and Party B shares the same core line. Then check the other line in the same way.

5.6 Low battery check and change

Press "Talk", "Hook" and "Test" at the same time, loud sound indicates the battery is sufficient, otherwise the battery need to charge.

Notes

1. Summary

This Tel Line Tester is a handheld test line set, compact and practical. It has 5 basic functions, that is, telephone function (dialing, talk & hook), faults test (insulation, line break & earthing), Call subscriber and talk, monitor and check line pair. It is rather helpful in telephone line installation and maintenance.

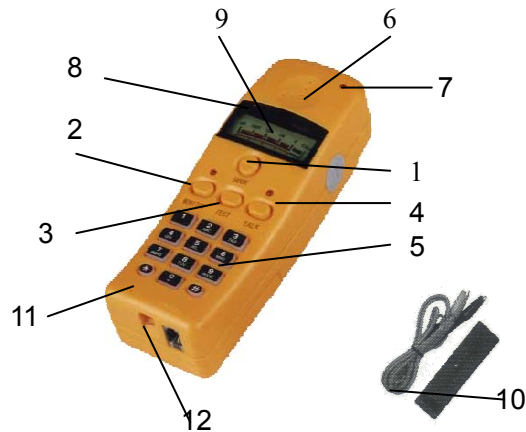
2. Functions

1. Dialing, talk and hook
2. Fault tests (Insulation test, line break test and earthing test)
3. Call subscriber and talk
4. Monitoring line
5. Check line pair
6. Low voltage self checking

3. Specification

1. Insulation resistance test range: 0 to 2 M Ω (in 4 grades)
2. Ring distance \leq 1km
3. Open resolution \leq 3km
4. Monitor resistance (@1kHz) \geq 150K Ω
5. DTMF apply to GB/T15279-94
6. Power: normal 9V layer battery
7. Dimension (mm): 146 \times 54 \times 37
8. Weight: \leq 220g

4. Layout



1. Hook
2. Monitor
3. Test
4. Talk
5. Dial
6. Receiver
7. Talk LED
8. Hi-voltage alarm
9. Insulation LED
10. Test line
11. MIC
12. Line pair ring

5. Operation

5.1 Telephone function (Dial, talk and hook)

Once link to telephone line it could perform the telephone function such as dial, talk and hook. And it will take power from the telephone line.

5.2 Fault tests

Link Test line to subscriber line to test to make following tests.

Insulation test: Press Test key to test insulation. And the insulation states will be indicated by 4 LEDs.

4 LEDs shinning: Stranded or serious mix (0 to 5 k).

3 LEDs shinning: Serious bad insulation or mix (5 to 50 k).

2 LEDs shinning: Bad insulation (50k to 500 k).

1 LEDs shinning: Low-grade bad insulation (0 to 5 k).

4 LEDs dark: good line (>2M Ω).

Line break test: Press Test key if LED flashes from right to left quickly together with very brief whistle, it means line break.

If the LED flashes from right to left slowly together with the long whistle it means line is not broken.

Earthing test: link the black clamp to earth line, enable to test the earth insulation of the line. "Insulation LED" shows the degree of earth insulation.

5.3 Call subscriber and talk