

INTRODUCTION

The TIS 880 tester is small hand-held cable tester, which enable network professionals to quickly and easily verify the integrity of straight-through, twisted pair cables and coaxial cables. In addition, TIS 880 can test the ID number of the ID test terminal connected to the remote end of the cable under test so that this cable can be verified.

TIS 880 Network Cable Tester

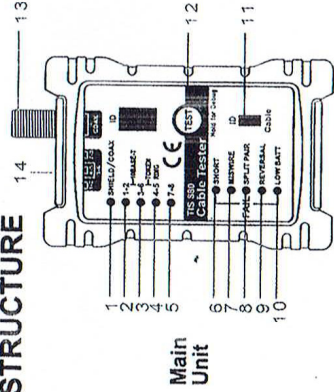
Users Manual

Read this manual thoroughly before use

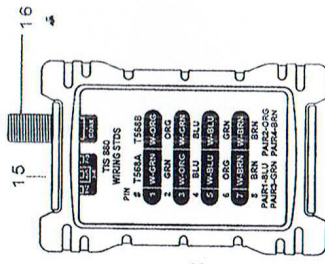
Features

1. Tests UTP (Unshielded Twisted Pair), STP (Shielded Twisted Pair) cable and coaxial cable.
2. Checks continuity and configuration of wiring with RJ45 plugs.

STRUCTURE



Main Unit



Remote Unit

TYPICAL FAULTS

For straight-through cable or cross-over cable tests, the tester has two operating modes: Test mode and Debug mode.

In Test mode, a flashing pair LED indicates that this wire pair has a fault, meanwhile a fault indicator LED lights up to indicate which fault was detected. Multiple flashing pair LEDs indicate multiple pairs and/or multiple faults. In this situation, you should use Debug mode to diagnose the faults in more detail. Correct the faults until the cable is verified to be correct by using the tester.

Fault Details

Short



A short circuit condition exists.

Reversal



The pin for one wire in a pair is connected to the opposite pin for this pair in the remote jack.

Miswire

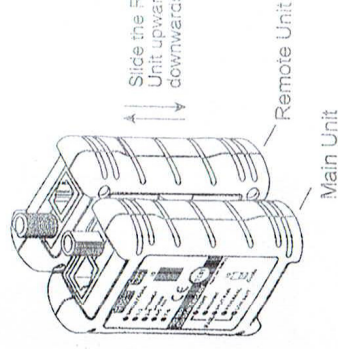


Improper assignment of individual wire pairs to pins for the wiring schemes tested.

Split Pairs



Split pairs occur when the tin (positive



Pair and SHIELD LEDs:

1. SHIELD/COAX LED
2. Pair 1-2 LED
3. Pair 3-6 LED
4. Pair 4-5 LED
5. Pair 7-8 LED

Fault Indicator LEDs:

6. "SHORT" LED
7. "MISWIRE" LED
8. "SPLIT PAIR" LED
9. "REVERSAL" LED

Others:

10. "LOW BATT" LED
11. Mode Selector Switch
12. TEST Key
13. BNC Socket of Main Unit
14. RJ45 Socket of Main Unit
15. RJ45 Socket of Remote Unit
16. BNC Socket of Remote Unit

conductor) and ring (negative conductor) of two twisted pairs are interchanged.

Note:

For some types of cables, so called "OPEN" is not an abnormal condition. Therefore the tester does not an "OPEN" indicator LED. Open is displayed as an unit pair or shield LED when the tester shows the test result. The user should determine if a wire is present and continuous or OPEN by comparing the illuminated pair and/or shield LEDs with the expected number of wires (of the cable) that should be good.

During test, if the "LOW BATT" LED lights up, the batteries in the Main Unit are low. To avoid possible wrong test result, replace the batteries immediately.

NOTICE PRIOR TO USE

1. Before using the tester, disconnect the