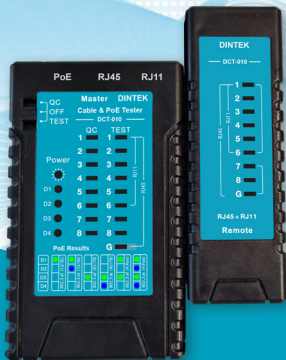


DCT-010

CABLE & PoE TESTER

USER GUIDE





Read the precautions before operating.

- DO NOT use this device on links with active voltage unless testing for PoE while using only the PoE port.
- DO NOT insert un-crimped/terminated RJ11/RJ45 plugs into the tester ports as this will cause damage to the internal contacts.
- The device master unit accepts a standard 9v battery
- Avoid exposing the device to dust, humidity, or temperatures exceeding 50°C.
- Do not attempt to disassemble the device; seek professional assistance for repair and maintenance.
- If the device will not be used for an extended period, remove the battery to prevent leakage.
- Avoid performing any operations on the communication line during thunderstorms to prevent lightning strikes and ensure personal safety.

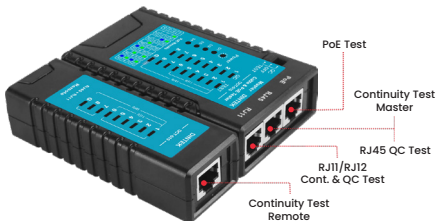
Manual Index

| | |
|-----------------------------------|----|
| Product Introduction | 03 |
| Product Features | 03 |
| Product Specifications | 04 |
| Power Over Ethernet Testing | 04 |
| Continuity Testing | 06 |
| RJ45/RJ11 QC Testing | 08 |
| Low Battery Voltage Warning | 09 |
| Warranty & RMA Process | 09 |

Product Introduction

Introducing the DINTEK DCT-010 Cable And PoE Tester, a robust and reliable solution designed for network professionals and enthusiasts who demand efficiency and accuracy in their cable testing tasks. This compact device is specifically crafted to test the integrity of RJ11 and RJ45 cables, ensuring your network installations and cabling projects run smoothly and effectively.

The DINTEK DCT-010 Cable And PoE Tester stands out with its straightforward functionality and precision diagnostics. It quickly identifies wiring faults such as open circuits, shorts, and reversed pairs, QC testing of RJ45 plug crimp terminations and PoE testing, providing immediate feedback with its clear and easy-to-read indicator lights. Whether you are setting up a new network, troubleshooting existing connections, or performing routine network checks, this tester is an indispensable tool.



Product Features

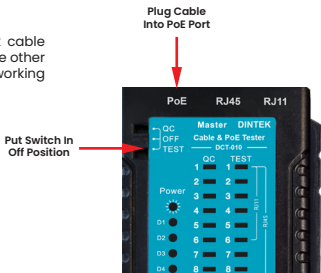
- Continuity Testing | Open, Cross, Short, Pass
- QC Testing | Efficient testing of RJ45/RJ11 plug crimp terminations
- PoE Testing | Identification of the type and power of PoE
- Compliant with IEEE 802.3af / 802.3at PoE standard
- Provision for RJ45 and RJ11 configurations
- Certification | Passes RoHS, FCC, and CE compliance testing
- Low battery power warning

Product Specifications

| | |
|--------------------|--|
| Model | DCT-10 |
| Max. Test Distance | 2000m |
| Cable Type | RJ45 - Cat5e/6/6a (UTP/STP) RJ11/12 - Cat3 (6P2C/6P4C/6P6C) |
| Indicator Lights | 8 Indicator lights for quick identification |
| Shield Indication | Available |
| QC Test | RJ45/RJ11 QC Plug Test |
| PoE Detection | 4LED (Midspan/ endspan connection at/af PoE power environment) |
| Detect PoE | Available |
| Size (LxWxD) | 104mm x 96mm x 27mm |
| Weight | DC 9.0V |
| Power Supply | 200g |

















POE Testing













Insert one end of network cable into RJ45 Port (PoE), and the other end into the port of the working PoE switch.



PoE Test Results

The test results are as follows below, and indicate the PoE standard type by the arrangement of the lights:

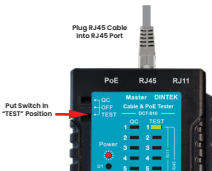
| PoE Type | Endspan (12/36) 802.3af (over Data) | Endspan (12/36) 802.3at (over Data) | Endspan (45/78) 802.3af (over Data) | Endspan (45/78) 802.3at (over Data) |
|----------|---|---|---|---|
| D1 |  |  |  |  |
| D2 |  |  |  |  |
| D3 |  |  |  |  |
| D4 |  |  |  |  |

| PoE Type | Endspan (4 Pairs) 802.3af | Endspan (4 Pairs) 802.3at | 802.3af (4 Pairs) | |
|----------|---|---|---|--|
| D1 |  |  |  | |
| D2 |  |  |  | |
| D3 |  |  |  | |
| D4 |  |  |  | |

Continuity Testing

Note: DO NOT insert an active cable into the continuity ports

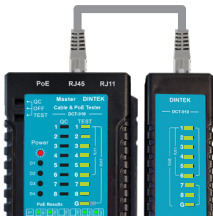
Insert one end of cable into master port (the network cable to RJ45 port, the telephone wire to RJ11 port) and the other end is inserted into the corresponding remote port. Turn the main tester switch to the "TEST" position. At this time, the power indication light will be on, and the led lights will be on one by one



Pass Result

Pass circuits: the main tester and the remote tester led lights will be flash one by one. For Shielded cables, "G" (ground) will light also.

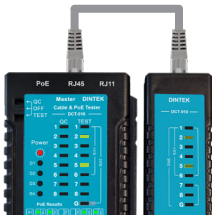
Main : 1-2-3-4-5-6-7-8 G
Remote : 1-2-3-4-5-6-7-8 G



Short Circuit Result

Short circuit: for example if No.2 and No.5 are short circuited in the cable or at the plug, No.2 and No.5 lights of main tester will cycle as normal, and No.2 and No.5 at remote end will show a weak green light.

Main : 1-2-3-4-5-6-7-8 G
Remote : 1-2-3-4-5-6-7-8 G



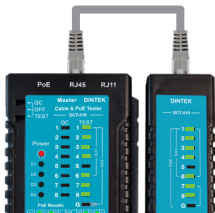
Open Circuit Result

Open circuit: for example No.2 is open circuited. Therefore the No.2 lights of the main and remote tester will not be lit.

Main : 1-2-3-4-5-6-7-8 G



Remote : 1-2-3-4-5-6-7-8 G



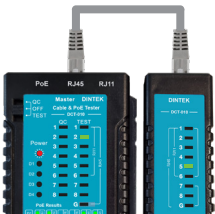
Crossed Wire Circuit Result

Crossed circuit: for example No.2 at main tester goes to No.5 at remote and No.2 at remote goes to No.5 at the main tester. Therefore when No. 2 at main end is lit, then No.5 at remote end will be lit. And when No.2 at the remote end is lit, then No.5 at the main end will be lit.

Main : 1-2-3-4-5-6-7-8 G



Remote : 1-2-3-4-5-6-7-8 G



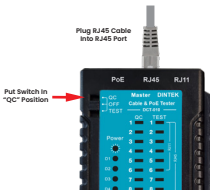
RJ45/RJ11 QC Testing

Note: DO NOT insert an active cable into the QC ports

For testing the termination quality of an RJ45 plug, insert the plug into the RJ45 Port

For testing the termination quality of an RJ11/12 plug, insert the plug into the RJ11 Port

Turn switch to "QC" position.



QC Pass Result

QC Pass: If all pins on the tested plug are correctly terminated, then all lights will be lit green.

Main : 1-2-3-4-5-6-7-8



QC Fail Result

QC Fail: For this example, pins 3 and 5 are not terminated correctly and show a red light fault on the testers.

Main : 1-2-3-4-5-6-7-8



Low Battery Voltage Warning

If the battery power of the device is low, the power light will flash rapidly. This means the battery needs to be replaced.

The way to replace the battery as follows:

Open the battery cover of the tester, take out the low powered battery, and replace it with a new 9V battery. Please dispose the waste battery according to the relevant regulations. Do not discard it at will, which will cause environmental pollution.

Warranty & RMA Process

Your DCT-010 Testers are covered by a 1yr warranty from the date of purchase.

In the unlikely event that your DCT-010 testers should develop an issue, we encourage you to contact the local agent that you purchased your testers from, or alternatively fill out the online form by going to <https://rma.dintek.com.tw> or by scanning the QR Code below. Our dedicated team will guide you through the process of diagnosing the problem and determine the best course of action. If the issue is covered under our warranty, you will be provided with instructions on how to return the tester for repair or replacement.

For issues not covered by the warranty, either your local agent or DINTEK will work with you on finding a resolution to get you up and running again.

Rest assured, our priority is to ensure that your DCT-010 testers are functioning optimally and that any disruptions to your operations are minimized.

DINTEK Online Form QR Code

To fill in this form, you will need the following.

- 1 | Tester serial number (if available)
- 2 | The name of the dealer you purchased from
- 3 | Date of purchase
- 4 | Contact details & email address



RMA Request Form



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