

Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier.

For repair or service please contact your **PLACE OF PURCHASE**.

If this item was purchased directly from Altronics please make a warranty claim by:

1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),

a) Calling your nearest store location and quoting your tax invoice number.

b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customers expense.

c) A copy of the R.A. form, (or at the very minimum, the R.A. number) must accompany the goods to effect the repair.

d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.

e) Please quote the R.A. number in any correspondence to us.

2. FOR OVER THE COUNTER PURCHASES to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).

a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.

b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.

It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorised Altronics service centre, as this will invalidate the warranty!

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Distributed by Altronic Distributors Pty. Ltd.
Phone: (08) 9428 2199
altronics.com.au

Revision 16/10/2020

D 3009A

**Cable Tester for Networks
with PoE Support**



Instruction Manual



- Features**
- Small size, easy to carry.
 - Verifies RJ45, RJ11, RJ12 cables
 - Quick and easy to test results: open, cross, pass, short.
 - Identify PoE type and status.
 - Compliant with IEEE 802.3af / 802.3at POE standard.
 - Low power battery indicator

Overview

This handy cable tester with PoE function allows you to test live ethernet cabling and determine power and data connectivity. The tester is 802.3af/at Power Over Ethernet (PoE) compatible and connects to an RJ45 terminated cable (or socket when used with a suitable patch lead). It's also capable of determining midspan or end span power sources in the network design. Perfect for installers working with IP telephony, CCTV equipment and other PoE capable devices. The remote unit included connects to terminated patch leads, RJ11/12/14/45 telephone cabling, LAN wiring or sockets and tests continuity, open/short and cross wiring.



Please read and understand these instructions before use and maintain the equipment in good working order.

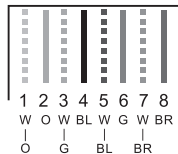
Operation Notes

- Requires 1 x 9V battery for operation.
- Remove battery if the tester is not in use for a long period.
- Ensure connection plugs are fully inserted prior to testing. Failure to do so may result in damage to the plug.
- Ensure when testing that cables are inserted into the correct port.

Test Functions

- Quickly and easily test for open circuit, cross circuit, short circuit and pass conditions in RJ11/12/14/45 cables.
- Checks telephone and network cables.
- Identify types of PoE wiring configurations.
- Compliant with IEEE 802.3af/at PoE cabling standard.

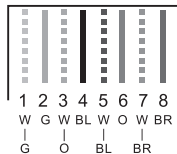
Suitable Wiring Configurations



T568B



8P8C



T568A



6P6C



PLUG

Specification

Model:	D3009A
Maximum test distance:	2000m
Cable type:	RJ45 network cable Cat5/5e/6/6a (UTP/STP) RJ11/12/14 telephone cable Cat3 (6P2C/6P4C/6P6C)
Indicators:	8 pin indicators
Shield indication:	Yes
Power Over Ethernet (PoE) Test:	4 LED (midspan/endspan connection at/af PoE power environment)
PoE detection:	Yes
Power:	1 x 9V battery.
Size:	104 x 96 x 27mm

PoE Test Methods

Insert one end of the network cable into the RJ45 port (PoE) and the other end into the port on the PoE switch. The test results will display on the unit as follows:

D1 Green LED	D2 Blue LED	D3 Green LED	D4 Blue LED	Result
✓	✗	✗	✗	Endspan (12/36) 802.3af (over data)
✓	✓	✗	✗	Endspan (12/36) 802.3at (over data)
✗	✗	✓	✗	Midspan (45/78) 802.3af (over data)
✗	✗	✓	✓	Midspan (45/78) 802.3at (over data)
✓	✗	✓	✗	802.3af (4 pairs)
✓	✓	✓	✓	802.3at (4 pairs)

When testing cable continuity, the test results of the tester should be matched with the remote lighting sequence to confirm correct pin to pin configuration.

Testing Cable Continuity

Insert one end of the cable into the master port (if using network cable, use RJ45 port, if using telephone cable, use RJ11 port). Insert the other end of the cable into the corresponding remote port. Slide the tester switch to "TEST". At this time the power indicator will illuminate and the LED lights for each pin will begin to cycle through one by one. The test result will display as follows.

PASS CONDITION. The master tester and remote tester LEDs will cycle through in the following order:

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

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

SHORT CIRCUIT. Example if pin 2 and 5 are short circuited number 2 LED and number 5 LED on master tester will be normal. While number 2 LED and number 5 LED of remote are dim:

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

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

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

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

OPEN CIRCUIT. Example if pin 2 is open circuit, the two number 2 LEDs will not be illuminated as follows:

Master: 1-x-3-4-5-6-7-8

Remote: 1-x-3-4-5-6-7-8

CROSS CIRCUIT. Example if pin 2 and 5 are cross circuited, the number 2 LED on the master unit will turn on, while number 5 LED on the remote turns on indicating this condition:

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

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

Testing RJ11/RJ12 Cables

1. Insert one end of the cable to be tested into the master tester RJ11 port.
2. Slide the switch to the QC position. Then the power indicator light will illuminate.
3. The lights will turn on in sequence for each pin. The test results are as follows:

PASS CONDITION. The master tester and remote tester LEDs will cycle through in the following order:

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

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

FAIL CONDITION. For example if pin number 2 is not connected, the master tester flashes as follows:

Master: 1-**x**-3-4-5-6-7-8

Low Voltage Prompt

If the battery is low on the device, the power light will flash rapidly. The battery needs to be replaced when this occurs.

Open the battery cover and replace with a standard 9V battery and recycle the old battery with your local eWaste recycling services.