



**DATA**

**DATA TEST SOLUTIONS**



**idealind.com**



## INTRODUCTION TO IDEAL DATACOM TESTERS

The IDEAL Datacom range of testers offer basic installation and troubleshooting solutions for integrators and electricians working with twisted pair and coax cables.

Testing a newly constructed twisted pair cable is not only best practice, but helps to ensure that the cable will connect properly to the system and eliminate additional troubleshooting after installation if the wiremap were to fail.

Modular plugs can be a challenge to terminate correctly 100% of the time. Wires get crossed inside the plug, trimmed too short, nicked creating a short, and sometimes, the plug is just put on to the cable rotated 180 degrees.

Even if the wires are in the correct order, and visually the termination looks good, there is a chance that the gauge of the copper conductor and the IDC pin in the plug did not make solid contact.

Use of a wiremapper not only eliminates the errors that are somewhat easy to see, but identifies others that could not be seen without the use of a tester.

Even professionals who regularly make modular plug and jack terminations will get a wire out of order from time to time.

Testing before installation allows verification that the cable has been terminated correctly. If this is not the case, it is generally faster and easier to re-terminate prior to installation. Choosing not to test can lead to testing dozens of cables in order to determine which one is causing the bad connection, whether it is a cable or a connector.



## VDV Multimedia Cable Tester

All-in-one basic Voice-Data-Video wiremap tester for verifying correct wiring and tone testing of low voltage and data communications cables.

Tone testing a cable by pin or pair can help locate a break in the middle of the cable run.

The split pair test helps identify when a cable is wired the same at both ends, but the wires are not in a standard order.

By having pairs mismatched (split) the performance of the cable can be negatively impacted as RF performance is compromised with the pairs being separated. This can cause the link to run slower or not at optimum speeds.

- Voice/Data/Video LCD based wiremapper verifies cable continuity
- Identifies errors by pin: shorts, opens, miswires, reversals, and split pairs
- For twisted pair, coax, and phone type cables
- Designed for CAT3/5/5e/6/6a cables. RG59/6/6 Quad
- RJ-45; RJ-11/12; and Female F port interfaces
- Tone generator with 4 selectable tones
- Tone by pin, pair, or entire cable
- Main remote included, stores in base of unit



Description	Cat. No.
VDV Multimedia Cable Tester	<b>33-856</b>



## Test-Tone-Trace Kit

The TTT kit combines two of our most popular testers - our VDV Multimedia tester and the Amplifier Probe plus several accessories in one kit designed to handle all of the basic testing and tone applications used by low voltage, video, and data communications installers.

- Voice/Data/Video wiremapper verifies cable continuity
- Identifies: shorts, opens, miswires, reversals, and split pairs
- For twisted pair, coax, and phone type cables
- Designed for CAT3/5/5e/6/6a cables. RG59/6/ 6 Quad
- RJ-45; RJ-11/12; and Female F port interfaces
- Tone Generator with 4 selectable tones
- Amplifier Probe to trace and locate cable under tone



Description	Cat. No.
Test Tone Trace Kit including carrying case, RJ-45, RJ-11 and Coax F Patch cables, crocodile clip assembly and F to BNC, F to RCA and F-81 adapters	<b>33-866</b>

## Data Cable/RJ45 LCD Wiremapper

**NEW**

The 33-855 is a simplified, compact version of our popular 33-856 VDV tester, which is designed to test RJ45/8 conductor cables exclusively.

The tester features a backlit LCD screen with numeric display to identify Pass/Fail status of the wiremap test as well as pin-by-pin display of Opens, Shorts, Miswires and Split Pairs.

- A built-in tone generator has 3 user selectable tones which can be applied to the RJ45 port by pin, by pair, or on all conductors
- Single button operation cycles through testing, toning, and device power options.
- Shielded RJ45 ports are on both the main unit and the self-storing detachable remote



Description	Cat. No.
Data Cable/RJ45 LCD Wiremapper	<b>33-855</b>

## Tone & Probe Kit

Locate, trace, and identify copper cables with the Amplifier Probe and Tone generator kit.

Send a tone on any de-energised copper cables including electrical cables, speaker wires, alarm cables, coax and data cables.

By generating a tone at one end of a cable, the other end can be identified within or among several other cables.

This prevents the user from having to unplug and test multiple cables individually, and can minimise disruption to other services in the building or network.

Multiple tones are useful when testing multiple cables with different tones, or if more than 1 person is working to trace cables on a jobsite.

- Tone and probe units in one single kit
- RJ-11/12 and F port interfaces
- 3 tone settings and two tone amplitude - normal and half
- Adjustable volume on the amplifier probe
- Crocodile clips for testing other de-energised cables
- Continuity testing and talk set power settings
- Carrying case included
- Both testers use 9V batteries – included



Description	Cat. No.
Tone & Probe Kit including carrying case, RJ-11 patch cable and crocodile clip assembly	<b>33-864</b>
Amplifier Probe	<b>62-164</b>

## Amplifier Probe

The Amplifier Probe is used to audibly amplify analogue signals generated by stand alone or built in IDEAL tone generators. Trace, locate and identify wires.

- Adjustable volume
- Press and hold button to activate probe and begin tracing
- Replacement tips available – LA-4145
- Low battery indicator
- Uses one 9V battery –included



## Tone Generator

The Tone Generator is used to send an analogue tone signal over copper cables to aid in identifying the location and identification of the cable

- Sends analogue tone signals on de-energised copper cables
- 3 tone settings: Dual: /1116 and 919 Hz plus Single: 919 Hz
- 2 ports – RJ-11 and F Female to generate tone on coax or copper cables. RJ-11 patch cable included.
- Crocodile clips (included) to tone individual or paired copper cables such as speaker or alarm cable
- Continuity test setting with included crocodile clips
- Talk battery setting for providing power to telephone lines when testing with butt-sets
- Indicates reversed polarity lines
- LED indicator to show selected tone setting and status
- Low battery indicator
- Uses one 9V battery – included



Description	Cat. No.
Tone Generator: available in Tone & Probe kit 33-864	
Amplifier Probe	<b>62-164</b>



## Tone & Probe Wire Identifier

The 62-144 is our basic Tone & Probe Kit which includes Amplifier Probe and Tone Generator units that can be used to identify or trace a cable by sending an analogue tone signal on de-energised copper conductors from one end of a cable to the other. The amplifier probe is used to make the tone signal audible at the other end of the cable, or along the path of an exposed cable, allowing identification and location of the cable under tone.

**NEW**



This kit includes the core features and functionality to trace cables for users who occasionally troubleshoot and locate cables, and are looking for a cost-effective, easy to use basic unit.

### Tone Generator

- Generates a single analogue alternating warble tone
- Fixed lead set with 31" leads for improved connection range
- 2 Alligator clips for direct copper connections or unterminated cables
- Alligator clips may also be used to connect to coax connector housing or pin
- RJ11 plug for direct connection to voice on most standard RJ45 jacks
- Continuity verification testing with alligator clips

### Amplifier Probe

- Audibly amplifies the tone signal on cable under test
- Designed to identify and trace wires or cables within a group without damaging the insulation
- Works with any analogue tone generator to identify wires
- Fixed, plastic non-sparking probe tip
- Single button operation - press and hold to trace
- Adjustable volume knob



Description	Cat. No.
Tone & Probe Wire Identifier	<b>62-144</b>

## LinkMaster™ RJ-45 Cable Tester

Basic wiremapper for identifying wiring and continuity errors in twisted pair cabling.

Coloured LED lights identify pass/fail conditions of each pair of wires in RJ-45 8 conductor cables.

- LED based wiremapper verifies cable continuity on RJ-45 cables
- Identifies errors by pair: shorts, opens, miswires, reversals, and split pairs
- Debug feature cycles through errors pair by pair
- For 8 conductor 4-pair, twisted pair cables
- Easy 1 button operation
- Designed for CAT3/5/5e/6/6a cables.
- RJ-45 port interfaces
- Identifies shield continuity
- Includes 4 x 1.5v LR44 batteries in main unit



### Description

LinkMaster™ RJ-45 Cable Tester

### Cat. No.

**62-200**

## Coax Mapper with Four Colour-Coded Remotes

The 62-201 Coax Mapper Tester is used to verify the start and end point of a coaxial cable run. Designed for use on coax cables or wall plates terminated with F-type connectors, the tester can help homeowners, contractors, or maintenance professionals to identify which coax lines go to which rooms and wall outlets in a residence or other building.

**NEW**



Often used in applications involving splitters and taps, it simplifies finding the end point of a coax line when it is behind walls or travels through multiple floors of a building. The tester can also be used to verify coax patch cables have continuity and are free of termination and installation errors such as Opens and Shorts.

- Four colour coded remote terminators for mapping coax in multiple locations
- Terminators are stored on the back of the main test unit when not in use
- F-type interface on main unit and remotes
- F-81 barrel adapter for attaching a remote to a terminated male F connector
- Identifies opens in a coaxial cable line (cut coax, unterminated ends, or loose connectors)
- Identifies shorts in coaxial cable line (shielding contacting conductor pin)



COAX MAPPER



Description	Cat. No.
Coax Mapper w/Four Remotes	<b>62-201</b>

# Data Tester Comparison Chart

## FEATURES | COMPARISON

FEATURES	33-866	33-856	33-855	62-200	33-864	62-144	62-201
LCD Display	✓	✓	✓	-	-	-	-
LED Display	-	-	-	✓	✓	✓	✓
Backlight	-	-	✓	-	-	-	-
RJ45 Port	✓	✓	✓	✓	-	-	-
RJ11 Port/Plug	✓	✓	-	-	✓	✓	-
F-Coax Port	✓	✓	-	-	✓	-	✓
Number of remotes	1	1	1	1	-	-	4
Alligator Clips	✓	-	-	-	✓	✓	-
Identifies Opens	✓	✓	✓	✓	-	-	✓
Identifies Shorts	✓	✓	✓	✓	-	-	✓
Identifies Miswires	✓	✓	✓	✓	-	-	-
Identifies Split Pairs	✓	✓	✓	✓	-	-	-
Shield Detection	✓	✓	✓	✓	-	-	-
Continuity Test	-	-	-	-	✓	✓	-
Analogue Tone Generation	✓	✓	✓	-	✓	✓	-
Tone by Pin/Pair	✓	✓	✓	-	-	-	-
Number of Tones	4	4	3	-	3	1	-
Analogue Probe	✓	-	-	-	✓	✓	-
Voltage Warning	✓	✓	✓	-	-	-	-
Battery Type	2x9V	1x9V	2xAAA	1X4LR44	2x9V	2x9V	2xAAA
Nylon Case	✓	-	-	-	✓	-	-

