

DATAKOM TESTERS

WIREFAPPERS AND TONE &
PROBE KITS



DATACOM TESTER SOLUTIONS



The newly expanded line of IDEAL Datacom Testers provides accurate and reliable verification and troubleshooting functionality for twisted pair, coax, and copper cabling. Three unique models of twisted pair Wiremappers identify errors in pin-out termination as well as issues with cable continuity. Two Tone and Probe kits for tracing and locating de-energized copper cables. Rounding out the line-up is a new Coax Mapper that identifies up to four coax locations and provides a pass/fail for cable continuity.



62-200
Linkmaster™
LED
Wiremapper

33-855
Data Cable/
RJ45 LED
Wiremapper

33-856
VDV
Multimedia
Tester

33-866
Test-Tone-
Trace VDV
Kit

62-201
Coax Mapper
w/Four
Remotes

62-144
Tone & Probe
Wire
Identifier

33-864
Pro Tone &
Probe
Kit

WIREMAPPERS

VDV Multimedia Voice/Data/Video Wiremapper

The 33-856 VDV is an LCD based all-in-one basic Voice-Data-Video tester for verifying proper wiring of low-voltage and data communications cables. The primary function of the VDV is the wiremap test. The wiremap test visually shows, pin by pin, whether a cable is terminated properly at both ends, and if there is continuity from end to end. The VDV can test Data/Ethernet RJ45 (8P8C), Voice/Phone RJ11/12(6P6C/6P4C) and Video/coax cables. The LCD visually displays “PASS” or “ERROR” after each test to verify if the cable is terminated correctly.

- In Data mode, the RJ45 port tests RJ45 connector cables terminated to CAT5e/6/6a twisted pair cables. When the test is activated, VDV checks each conductor of the cable for any opens (unterminated or cut conductors), shorts (cut or nicked conductors that come into contact), miswires (wires out of order – not consistent at both ends), reversals, or split pairs (wired correctly but using wrong conductor order and grouping). VDV can also identify and alert the user to uplink/crossover cables.
- Test results are displayed on the LCD in a pin-to-pin format. Error types are also displayed on the LCD. Shield continuity can also be tested on shielded RJ45 connectors and cables.
- In Voice mode, the RJ11/12 port is active. Testing is similar to the Data test, but tests up to 6 conductors instead of 8.
- In Video mode, the F port is active. Coax cables are tested for opens and shorts on the pin and shield.
- Built in Tone Generator function can tone each cable port by pin, by pair or the entire cable. Four user selectable analog tone patterns are included.



Test-Tone-Trace Kit

The 33-866 Test-Tone-Trace VDV kit combines two of our most popular testers - our 33-856 VDV Multimedia tester and the 62-164 Amplifier Probe plus several accessories including BNC and RCA adapters and patch cables in one compact kit. This kit enables professional installers, MRO technicians, and DIY'ers an economical way to quickly and easily test and locate connector to cable installations by verifying a proper wiremap and continuity. The all-in-one basic testing and troubleshooting kit suitable for anyone working with twisted pair or coaxial cabling installation or maintenance.

Part Number	Description
33-866	Test-Tone-Trace VDV Kit
33-856	VDV Multimedia Tester

33-866 Kit includes:

(1) VDV Main Test Unit with 1 Remote	(1) F-Male to BNC-Female Adapter
(1) Amplifier Probe with Volume Control	(1) F-Female to BNC-Female Adapter
(1) Carrying Case	(1) F-Male to RCA-Female Adapter
(1) RJ45 Alligator Clip Cable Assembly	(1) F-Female to RCA-Female Adapter
(2) RJ45 Patch Cables (12 in.)	(1) F-81 Adapter
(2) RJ11 Patch Cables (4 in.)	(2) Instruction Manuals
(2) F-Male Coax Patch Cables (4 in.)	(2) 9V Batteries



WIREMAPPERS

Data Cable/RJ45 LCD Wiremapper

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 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.



NEW



Linkmaster™ RJ45 LED Wiremapper

The Linkmaster Data Cable Tester is an LED based wiremapper for identifying wiring and continuity errors in twisted pair cabling. Colored LED lights identify pass/fail conditions of each pair of wires in RJ45 / eight conductor cables. Shielded RJ45 ports are on both the main unit and the remote.

Using red and green LED indicators, the main tester unit identifies pass and error results by pair. Error identification includes: Shorts, Opens, Miswires, Reversals, and Split Pairs.

- Easy 1 button operation, hold button for a debug feature to cycle through results by pair.
- Designed for testing CAT3/5/5e/6/6a cables. Identifies shield continuity.
- Main tester and remote unit are included in the 62-200



(Cable not included)

Part Number	Description
33-855	Data Cable/RJ45 LCD Wiremapper
62-200	Linkmaster™ LED Wiremapper

TONE AND PROBE KITS

Pro Tone Generator and Amplifier Probe Kit

Includes the 62-164 Amplifier Probe, Tone generator, carrying case, and accessories in a single kit.

Locate, trace, and identify copper cables with the Amplifier Probe and Tone generator kit. The tone generator has both RJ11/12 and Coax F-female interfaces and can be used for testing coax and twisted pair cables. Detachable alligator clips are included to send tone on any de-energized copper cables including electrical cables, speaker wires, alarm cables, etc. Three different user selectable tone patterns are emitted from the generator. Tones all conductors of port under test for a stronger signal and easier cable identification.

Tone generator includes a continuity test setting for positively identifying cables and verifying continuity. Talk Batt setting can be used to provide power for butt-sets. Auto-off feature engages after three hours.

Amplifier probe picks up analog generated signals from the tone generator making them audible. Adjustable volume control knob. For loud or quiet environments. Replaceable plastic probe tip to trace and identify cables within a bundle. The amplifier probe is also compatible with all IDEAL tone generators and tone functions on wiremap based testers that include a tone generator.



Tone & Probe Wire Identifier

- Tone and probe units in one single kit
- RJ11/12 and F-port interfaces
- Three tone settings
- Adjustable volume on the probe
- Detachable alligator clips for testing other de-energized cables
- Continuity testing and talk set power settings
- Carrying case and RJ11 patch cable included



Part Number	Description
33-864	Pro Tone & Probe Kit
62-164	Pro Amplifier Probe



TONE AND PROBE KITS

Tone & Probe Wire Identifier

The 62-144 is our basic Tone & Probe Kit which includes both an Amplifier Probe and Tone Generator units that can be used to identify or trace a cable by sending an analog tone signal on de-energized 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.

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 analog 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 and 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 analog tone generator to identify wires
- Fixed, plastic non-sparking probe tip
- Single button operation - press and hold to trace
- Adjustable volume knob



Part Number	Description
62-144	Tone & Probe Wire Identifier

COAX MAPPER

Coax Mapper with Four Color-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.

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.

Features

- Four color coded remote terminators for mapping coax 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)



Part Number	Description
62-201	Coax Mapper w/Four Remotes



FEATURES | COMPARISONS

Includes:	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	—	—	—	—	✓	✓	—
Analog Tone Generation	✓	✓	✓	—	✓	✓	—
Tone by Pin/Pair	✓	✓	✓	—	—	—	—
Number of Tones	4	4	3	—	3	1	—
Analog Probe	✓	—	—	—	✓	✓	—
Voltage Warning	✓	✓	✓	—	—	—	—
Battery Type	2x9V	1x9V	2xAAA	1x4LR44	2x9V	2x9V	2xAAA
Nylon Case	✓	—	—	—	✓	—	—



IDEAL INDUSTRIES, INC.

IDEAL INDUSTRIES, INC.

1800 S. Prairie Drive, Sycamore, IL 60178, USA / 815-895-5181 • 800-435-0705 in USA

International offices:

Australia • Canada • China • India • Mexico • UK