



IDEAL NETWORKS

# More than just a wiremapper



## VDV II

Voice, Data and Video Cable Verifier

Proof of Performance

# VDV II

## Voice, Data and Video Cable Verifier

### More than just a wiremapper

The new VDV II Series are easy to use cable testers that check the integrity of copper cables commonly found in domestic, commercial or industrial voice, data or video installations, including telephone wiring, data network and video/security cabling.

Employing state-of-the-art technology, VDV II offers functionality not previously available in a wiremapper. The advanced wiremap engine accurately displays complex wiring faults instantaneously while the integrated TDR (Time Domain Reflectometry) simplifies troubleshooting and improves on-site productivity.



## VDV II

Performs standard tests for copper cabling, including:

- Coax, 6Pin (RJ11/12), 8Pin (RJ45) Connectors for Copper Cable Testing
- Wiremap for Miswires, Split Pairs, Shorts, Opens, and Crossover (A/B) Cables
- Analog Tone Generator
- Voltage Protection
- Shielded Cable Testing
- Single Screen Results



## VDV II Plus

All the features of the VDV II including:

- Larger 2.9" Display
- Backlight
- Hub Blink
- Cable Length
- Distance to Open
- Carry Case, Cables & Adapters



## VDV II Pro

All the features of the VDV II Plus and...

- Distance to Open / Short (TDR)
- PoE Detection with Voltage Information
- Phone Service Detection (PBX, ISDN)
- Ethernet Detection with Network Rate and Duplex information



Wiremap with length

### Accuracy

The flagship VDV II Pro utilizes a TDR to accurately measure cable length and provide distance to fault information. TDR's work by injecting a signal into the cable and measuring the time for any signal to be reflected back after encountering changes in impedance caused by cable damage, open and short circuits. The recorded time is then translated into an accurate distance measurement. TDR helps to pinpoint where cabling faults occur. This speeds up fault finding as well as minimising disruption and potential damage to fixtures and fixings.



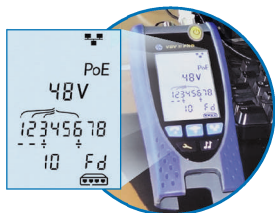
Coax testing

### Speed

With comprehensive details on faults such as opens, shorts, reverses, miswires and split pairs, VDV II identifies wiring errors instantly. The integrated RJ11/RJ12 (voice), RJ45 (data) and F-Type (video) connectors allow faster testing of most types of low-voltage cables by eliminating the need for separate testers or adapters.

### Intelligence

Connection issues are not always associated with cable faults, so VDV II Pro has the capability to help identify service related issues. By detecting the presence of voltage and checking polarity, VDV II Pro quickly determines which type of media service is running over the cable, such as ISDN, PBX and PoE (Power over Ethernet) resulting in faster fault diagnosis. Troubleshooting active Ethernet networks is also made easier with in-built network detection that displays network rate and duplex information. Furthermore, to prevent potentially costly damage to the tester all VDV II's are smart enough to know when they have been plugged into an outlet where non-standard voltage is present.



Service detection

### Multimedia Support

RJ45, RJ11/RJ12 and coax ports for wiremap verification of low voltage copper cables

### TDR Length Testing and Troubleshooting

Pinpoints cable faults eliminating unnecessary guess work

### Tone Generator

Ability to identify and trace cables with a compatible inductive tone probe (optional)

### PoE Detection

PoE service detection with pin and voltage information

### Storage and Protection of Remote Unit

Reduces the chance of losing or damaging the remote unit.

### Cat 5, Cat 5e, Cat 6, Cat 6<sub>A</sub>, Cat 7, UTP and STP Testing

Support for all common LAN cables (TIA 568A/B wiring schemes)

### Large Backlit Screen

Instantaneous, easy to read test results

### Phone Service Detection

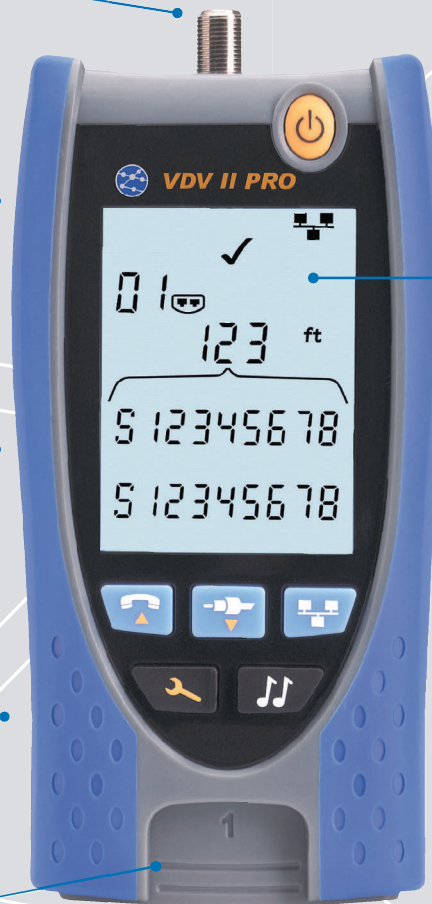
Identifies analog (PBX) and digital (ISDN) telephone services

### Ethernet Detection

Displays network rate and duplex information

### Voltage Protection

Cable testing disabled if >2V of non-standard voltage is detected



## Applications



### VOICE

Support for 1, 2 or 3-pair RJ11/12 telephone cable testing



### DATA

Testing of shielded and unshielded Cat 5/5e/6/6<sub>A</sub>/7 LAN cable



### VIDEO

Tests coax cable through F-connector interface



# VDV II

## Voice, Data and Video Cable Verifier

### More than just a wiremapper

### Ordering Information

VDV II Range				
Part No.	Kit Contents			
R158000	<b>VDV II – Voice, Data and Video Cable Verifier.</b> Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide.			
R158002	<b>VDV II Plus – Voice, Data and Video Cable Verifier.</b> Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide, 2 x RJ45 to alligator clip cable 15", 2 x screened RJ45 to RJ45 cable 6", 2 x RJ11/12 to RJ11/12 cable 4", 1 x F-type plug to F-type plug cable 9", 1 x F-81 barrel splice, 1 x BNC female to F-type male adapter, 1 x BNC female to F-type female adapter, 1 x RCA female to F-type male adapter, 1 x RCA female to F-type female adapter, 1 x wallet wiring card, 1 x carry case.			
R158003	<b>VDV II Pro – Voice, Data and Video Cable Verifier.</b> Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide, 2 x RJ45 to alligator clip cable 15", 2 x screened RJ45 to RJ45 cable 6", 2 x RJ12 to RJ12 cable 4", 1 x F-type plug to F-type plug cable 9", 1 x F-81 barrel splice, 1 x BNC female to F-type male adapter, 1 x BNC female to F-type female adapter, 1 x RCA female to F-type male adapter, 1 x RCA female to F-type female adapter, 1 x wallet wiring card, 1 x carry case.			

### Basic Specifications

Dimensions (in)	Weight	Battery Type
6.3 x 3.0 x 1.4	.58 lb	9V alkaline. Typically 20 hours minimum continuous use (backlight off)

For detailed specifications, please visit our website.



IDEAL INDUSTRIES NETWORKS DIVISION  
 1375 Park Ave., Sycamore, IL 60178 U.S.A  
 Phone: 815-895-5181  
 Email: [ideal@idealindustries.com](mailto:ideal@idealindustries.com)  
[www.idealindustries.com](http://www.idealindustries.com)

[www.idealnwd.com](http://www.idealnwd.com)

[www.vdvii.com](http://www.vdvii.com)



### Optional Accessories

Part No.	Kit Contents
158050	Kit of 12 x RJ45 remote units* (#1 - #12)
158051	Kit of 24 x RJ45 identifiers** (#1 - #24)
158053	Kit of 12 x coax remote units* (#1 - #12)
62-164	Amplifier Probe

\* Separate numbered remotes allow faster pass/fail testing of multiple cables

\*\* Multiple identifiers simplify cable and port identification at the patch panel



A subsidiary of  
 IDEAL INDUSTRIES INC.  
  
 Specification subject to change without notice. E&OE  
 Printed in U.S.A.  
 © IDEAL Networks 2014  
 P-5238 5/14