VOICE/DATA/VIDEO

VDV Commander™

Full-Featured Voice/Data/Video Cable Tester

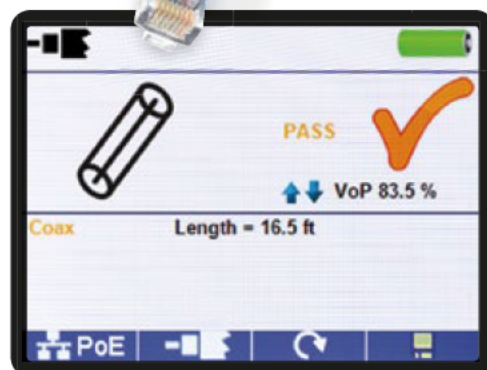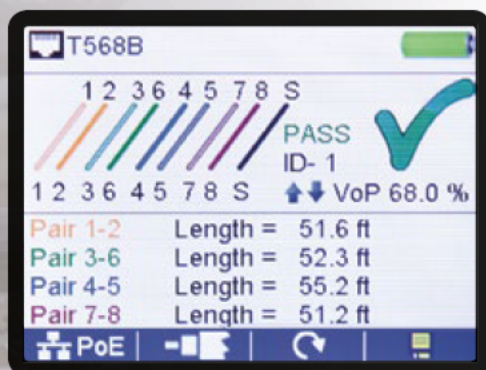**KLEIN TOOLS®**
For Professionals… Since 1857®

VDV Commander™ Series locates, tests and measures coax, data and telephone cables to ensure fast and accurate voice/data/video installations. In addition, the Commander detects Power over Ethernet (PoE), has a full color screen and internal memory to store, download and output test results for easy report management.
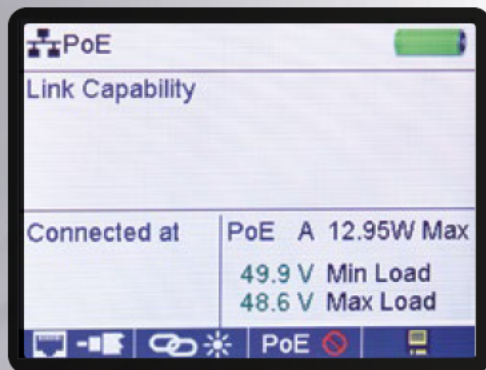
Test coaxial, data (RJ45) and telephone (RJ11) cables

- Wiremap per TIA-568A/B industry standard
- Identify wiring faults
  - Miswire
  - Open
  - Short
  - Split-pair
  - Reverse-pair
- Verify shielding
- Single-end cable testing or complete cable testing with Test-n-Map™ ID Remotes
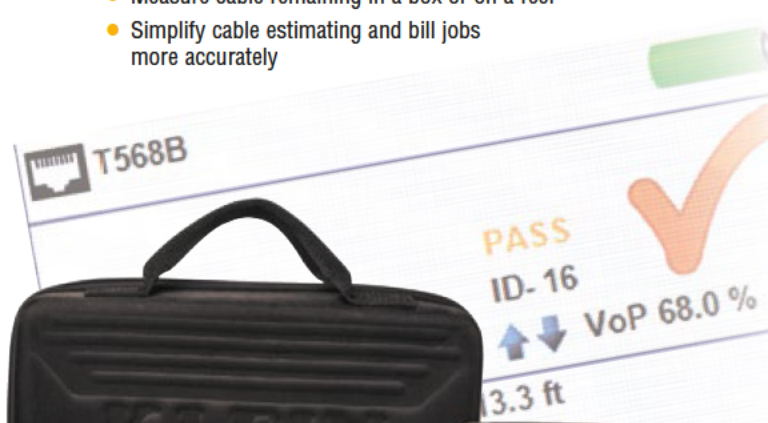
TDR Measure cable length and distance to a fault with Time Domain Reflectometry (TDR) technology

- Measure paired-conductor cables: voice, data, video, doorbell, siamese, lamp-wire and NM cables, up to 1,500 ft. (457 m)
- Accuracy up to ±(5% and ± 1 ft./0.3 m)
- Identify the distance to a short to determine if a cable is damaged
- Identity cable runs outside specification to ensure compliance
- Measure cable remaining in a box or on a reel
- Simplify cable estimating and bill jobs more accurately

PoE Detect, identify and test Power over Ethernet (PoE)

- Detect the presence of PoE
- Detect class and test loads up to 25.5 watts
- Test to ensure adequate power for PoE device
- Test IEEE802.3af and IEEE 802.3at (PoE Plus) compliant Power over Ethernet systems
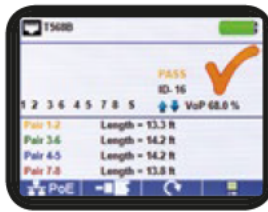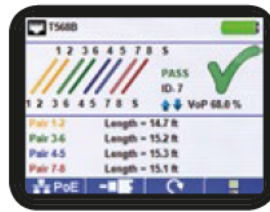- Identify modes A or B (Ethernet pairs with power)

VDV501-829

Fig. 1

Fig. 2

Fig. 3

Fig. 4

VDV Commander™

FEATURES

	RJ-45 8-Wire Cables	●
	F-connector Coaxial Cables	●
	Telephone Cables	With Adapter
	Wiremap	●
	Open Fault	●
	Short Fault	●
	Miswire Fault	●
	Split-Pair Fault	●
Pass	TIA-568A/B & Crossover/Uplink	●
	Active Ethernet Detects link speed and capabilities to 1 Gbps	●
	Single-End Cable Testing	●
	Two-End Testing Test and identify location with remote	●
PoE	Power Over Ethernet Testing	●
TDR	Time Domain Reflectometry Length Measurement Method	●
	Measures Cable Length	1,500 Ft. / 457 m
±(5% and ± 1 ft.) ±(5% and ± .03 m)	Accuracy / Measurement Resolution	●
	Link Light	●
ID	Cable Identification	up to 20
	Shield Detection	●
	Voltage Warning	●
	Low Battery Indicator	●
	Store Test Results	256
	Print Custom Reports	●
♪♪	Multiple-style Tone Generator* Down to Single Conductor/Pair/Cable	4
	Color LCD Display	2.7" (69 mm)
	Multiple Languages	ENG·ESP·FRA
Ft. / m	Imperial or Metric Results	●
Apo	Auto Power Off	●
	Customizable Setup	●
	USB interface (for PC connection)	MICRO
	Upgradeable Firmware (requires internet & pc connection)	●

* Functionality requires an analog tone tracing probe - VDV500-060 (Included in some kits).
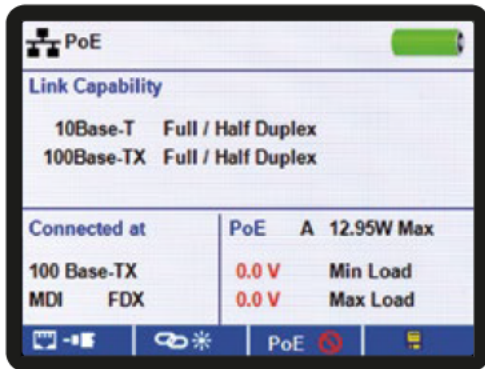
ID Locate and Identify Cables

- **Location ID Remotes – up to 20 locations** (Fig. 1)
  - RJ45 LanMap™ ID Remotes
  - F-Connector CoaxMap™ ID Remotes
- **Location Identification and Testing – up to 8 locations** (Fig. 2)
  - Test-n-Map™ ID Remotes
  - RJ45 and RJ12 ports
- **Link Light** (Fig. 3)
  - Identify a hub or switch with a blinking light
  - Visually locate cable runs by flashing system status/activity LED
- **Tone Generator*** (Fig. 4)
  - Trace cables, wire pairs and individual conductor wires
  - Indicates to a single cable/pair/pin
  - Includes four tones

Perform Active Network (Ethernet) Testing

- Detect active Ethernet current link speed, up to 1 Gbps
- Indicates advertised speeds 10/100/1000BASE-T half/full duplex

Reporting

- Save up to 256 cable or network tests
- Customize reporting with user defined names
- Export and print color reports

VDV Commander™

VDV Commander™ Test Kit
VDV501-828

- 1 VDV Commander™ Tester
- 1 Test-n-Map™ ID remote
- 5 LanMap™ RJ45 starter set location ID remotes
- 5 CoaxMap™ F-Connector starter set location ID remotes
- 1 test cable – Micro USB to USB A
- 1 test cable – universal RJ12 jumper (9")
- 1 test cable – RJ45 jumper (9")
- 1 coax adapter – Barrel (F-F, female)
- Batteries
- Carrying case

VDV Commander™ Test & Tone Kit
VDV501-829

- 1 VDV Commander™ Tester
- 1 PROBEplus Tone Tracing Probe
- 1 Test-n-Map™ ID remote
- 20 LanMap™ RJ45 location ID remotes
- 20 CoaxMap™ F-Connector location ID remotes
- 1 test cable – Micro USB to USB A
- 1 test cable – universal RJ12 jumper (9")
- 1 test cable – RJ45 jumper (9")
- 1 coax adapter – Barrel (F-F, female)
- Batteries
- Carrying case

Cat. No.	UPC# 0-92644	Batteries	Battery Life	Height	Width	Depth	Weight (with batteries)
VDV501-828	58211-0	6 AA alkaline batteries included	20 hours active 10 years standby	6.8" (173 mm)	3.6" (91 mm)	1.85" (47 mm)	12 oz. (340 grams)
VDV501-829	58212-7	6 AA alkaline batteries included Probe: 1 9V alkaline battery	20 hours active 10 years standby Probe: 25 hrs. active 4 yrs. standby	6.8" (173 mm)	3.6" (91 mm)	1.85" (47 mm)	12 oz. (340 grams)

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