

Ranger™ TDR Kit



- Cable Length Measurement
- Cable Fault Finder
- Tone Generator
- Cable Manager

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TOOLS®**

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TDR-SS

TIME DOMAIN REFLECTOMETRY SPREAD SPECTRUM

Ranger™ TDR Kit

TIME DOMAIN REFLECTOMETRY
SPREAD SPECTRUM



TDR-Spread Spectrum Technology

- **Eliminates Interference** when measuring cable
- **Superior Accuracy** $\pm(1\% + 3 \text{ ft./1 m})$
- Broadens TDR operating environments
- Usable in Safety Extra Low Voltage (SELV) rated environments as defined by IEC*

Cable Length Measurement

- Up to 3,000 ft. (914 m)
- Measure voice, data, video, doorbell, siamese, lamp-wire and NM cables

Cable Fault Finder

- Ensure compliance and identify cable runs outside specification
- Determine if cable run is broken or damaged

Tone Generator†

- Trace and identify cables
- Four tone cadences available

Cable Manager











- Measure cable remaining in box or on reel
- Simplify cable estimating and bill jobs more accurately

Kit Includes:

- Ranger™ TDR (VDV501-090)
- Adapter Cord Set:
 - BNC to F-Connector Adapter
 - F-Connector Adapter
 - Insulated Push-On F-Connector to Alligator Clips
 - Insulated BNC Connector to Alligator Clips
 - Insulated Push-On F-Connector to RJ45 Modular Plug
- Batteries – 4 – AA Alkaline/LR6/15A
- Custom Designed Polyester Carrying Case

*SELV is 60 volts DC or Peak AC (45 volts RMS)

†Requires analog tone probe – VDV526-054 or VDV500-060 (sold separately)

Features	Included	
Ranger™ TDR	VDV501-090	●
Interface		Includes Multi-Adapter Set
Measures Length		●
Length Measurement Method	(TDR-SS) Spread Spectrum Time Domain Reflectometry	●
Accuracy	$\pm(1\% + 3 \text{ ft./1 m})$	●
Maximum Cable Length Measurement	3,000 Ft 914 m	●
Common Cable Length Ranges	Coaxial Cable: 0 - 2,000 Ft. (610 m) Data Cable: 0 - 1,500 Ft. (457 m) Electrical Cable: 0 - 1,000 Ft. (305 m)	●
Imperial & Metric Results	Ft/m	●
On-Board Calibration Memory		2 Storage Locations
Open Fault		●
Short Fault		●
Display		2.25" Backlit LCD
Multiple Style Tone Generator†		●
Voltage Warning		●
Auto Power Off	Apo	●
Low Battery		●
Warranty		●



VDV501-815

Cat. No.	UPC# 0-92644	Batteries	Battery Life	Height	Width	Depth	Weight (oz.)
VDV501-815	58187-8	4 AA alkaline batteries included	Standby: 4 hours Active: 15 hours (average)	6.8" (173 mm)	3.15" (80 mm)	1.3" (33 mm)	12 (340 g) with batteries

⚠WARNING: Read, understand, and follow all instructions, cautions and warnings attached to and/or packed with all Test and Measurement devices before each use.

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