

Ranger™ TDR Kit



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

TIME DOMAIN REFLECTOMETRY SPREAD SPECTRUM

KLEIN TOOLS
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Now Available in Australia and New Zealand

MUMME TOOLS

Ranger™ TDR Kit

TIME DOMAIN REFLECTOMETRY
SPREAD SPECTRUM



TDR-Spread Spectrum Technology

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

Cable Length Measurement

- Up to 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 analogue 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 and Measurement Resolution:	$\pm (1\% + 1\text{ m})$	●
Maximum Cable Length Measurement	914 m	●
Common Cable Length Ranges	Coaxial Cable: Data Cable: Electrical Cable:	0 - 609 m 0 - 457 m 0 - 305 m
Imperial & Metric Results	ft/m	●
On-Board Calibration Memory		2 Storage Locations
Open Fault		●
Short Fault		●
Display		57 mm Backlit LCD
Multiple Style Tone Generator†		●
Voltage Warning		●
Auto Power Off	Apo	●
Low Battery		●



VDV501-815

Cat. No.	Batteries	Battery Life	Height	Width	Depth	Weight
VDV501-815	4 AA alkaline batteries included	standby: 4 hours active: 15 hours (average)	173 mm	80 mm	33 mm	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.

