

3-in-1 DMM/TDR Cable Fault Finder for Energized and Non-Energized Cables up to 3650 metres

1 Digital Multi-Meter Functions:

- DC Volts, 10MΩ input impedance
- AC Volts, 10MΩ input impedance
- Automatically selected AC or DC Volts with lower impedance
- Continuity, with audible signal for low resistance
- Ohms measurement
- Data-logging and graphing capability

2 Static Testing

Measures distances to shorts or to open faults in a cable or the cable length: **accurate to within 1%**. Static TDR has the following features:

- Measures distances to shorts or open faults in cable up to 3657 metres (12000 ft)
- Library of common cable type NVP values
- Calibration mode – input the cable length and Power Prowler calculates the NVP
- Loop Testing with audible indication of changing readings

3 Event Detection

Samples a circuit continuously for changes to the circuit:

- Detects, locates and characterizes cable faults including arc faults
- Ability to time stamp events; time of event reporting
- Detects, locates and characterizes existing or transient faults including arc faults



General Features:

- Large Colour LCD display
- Soft key menu system simplifies user interface
- Built-in list of cable types and their NVP values
- Icon-based and multi-lingual settings
- Control over power saving features such as auto-switch off and backlight dim
- Audio annunciation on change/error
- Favourites list for commonly tested cable types

Wiring & Interconnection Testing that Leads the Field

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DIGITAL MULTIMETER

4000 Count
600Vdc & rms Vac
maximum CAT III

STATIC SSTD

900meters
All Cable Types
Open & Shorts

EVENT DETECTION

Find faults on:
Energized & Un-Energized Cables
Transient Arc Faults



Power Prowler™ Specification

	Function	Range	Resolution	Accuracy (% + counts)
Multi-Meter	DC Volts	600.0V	1V	±(0.5% +2)
		400.0V	0.1V	
		40.00V	0.01V	
		4.00V	0.001V	
	Auto-V Loz True rms	600.0V	1V	± (2.0% +3) DC, 45-500Hz ± (4.0% +3) DC, 500-1kHz
		400.0V	0.1V	
		40.00V	0.01V	
		4.00V	0.001V	
	AC Volts True-rms	600.0V	1V	± (1.0% +3) DC, 45-500Hz ± (2.0% +3) DC, 500-1kHz
		400.0V	0.1V	
		40.00V	0.01V	
		4.00V	0.001V	
Ohms	4.000kΩ	0.001kΩ	±(0.9% +2)	
	40.00kΩ	0.01kΩ	±(0.9% +2)	
	400.0kΩ	0.1kΩ	±(0.9% +2)	
	4.000MΩ	0.001MΩ	±(0.9% +2)	
	40.00MΩ	0.01MΩ	±(0.9% +2)	
Power	6x AA alkaline batteries, typical battery current: Off mode (or timed out): 4.25 µA Multi-Meter mode: 81 mA with backlight, 41 mA dim backlight Static SSTD: 82 mA - one test per minute with backlight Event SSTD: 115 mA - when active with backlight, 75 mA dim backlight			
Battery Life	For 6 x AA, 9VDC, 2,000 mA-hr (typical) alkaline battery: Operating (goal) 20 – 30 hrs mode dependent Standby – 50uA (max, goal)			
Altitude	2000 metres (6,500 feet)			
Temperature /Humidity	Operating: -10 to 50°C Storage: -20 to 60°C 10 → 90% non-condensing			
Enclosure	High-strength ABS plastic V0 with boot 4.7cm x 9.15cm x 17.3 cm (1.85" x 3.6" x 6.8") Weight with batteries: 510g (1lb2oz)			
Safety Compliances	Complies with ANSI/ISA 82.02.01 (61010-1) 2004, CAN/CSA-C22.2 No 61010-1-04, UL 6101B (2003)and IEC/EN 61010-1 2nd Edition for measurement Category III, 600 V, EMC EN61326-1			
One-year CTL Warranty	Excludes misuse, mishandling and operation outside the parameters specified in the User Manual			

All models are supplied CE-marked and FCC-compliant.

Please note that all specifications are correct at the time of publication (Dec 2013) and they are subject change without notice.

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