

Power Prowler™

3-In-1 DMM/TDR Cable Fault Finder for Energized or Unenergized Cables

600V CAT III

FOR LIVE ENERGIZED CABLES

1

Digital Multimeter

The following Multi-Meter Functions are supported:

- DC Volts, 10M Ohm input impedance
- AC Volts, 10M Ohm input impedance
- Automatically selected AC or DC Volts with a lower impedance
- Continuity with audible signal for low resistance
- Ohms measurement

2

Fault Location

Quick Picture of Existing Cable Faults & Condition

Measures distance to shorts or open faults and measures cable length. Fault Location has the following features:

- Library of common cable type VOP values
- Calibration mode – Input the known length of a cable and Power Prowler calculates the VOP
- Loop Testing with audible indication of changing readings
- Measures accurate distances to shorts or open faults

3

Live Event Detection

Continuous Monitoring for Live Event Detection

Continuously samples circuit to monitor charges.

- Detect, locate and characterize cable faults
- Ability to time stamp events
- Detect, locate, and characterize existing faults





- Large color LCD display
- Easy to use
- High quality industrial grade accessories and adapters
- Built-in list of cable types and their VOP values
- Audio indication when a change/ fault is detected
- Favorites list for commonly tested cable types
- Capable of accuracy to fault of better than 1%
- Control over power saving features such as auto-off and backlight dim
- Multilingual (English, French, Spanish)

Ordering Information

Part Number	Description
PLR600	<ul style="list-style-type: none"> • Power Prowler Main Unit • Lantern Prod Test Lead Kit • Flanged crocodile clips: red and black 600V CAT III UL/CSA • BNC (F) Double Banana Plug • BNC (M) to F Connection (F) • Hanging T3 Pouch

Optional Accessories

Part Number	Description
CA009	Cable Assembly, Power Cord to 3 Banana Plugs
RK060	Power Prowler Remote

Specifications

Measurement Technology	Spread Spectrum Time Domain Reflectometry U.S. Patents and Patents Pending		
Multi-Meter Section			
Description	Range	Resolution	Accuracy (% + counts)
DC Volts	600.0V 40.00V 4.000V	0.1V 0.01V 0.001V	±(0.5% + 2)
Auto-V LoZ True-rms	600.0V	0.1V	±(2.0% + 3) DC, 45~500 Hz ±(4.0% + 3) DC, 500~1 KHz
AC Volts True-rms	600.0V	0.1V	±(1.0% + 3) DC, 45~500 Hz ±(2.0% + 3) DC, 500~1 KHz
Ohms	4.000 KΩ	0.0t01 KΩ	±(0.9% + 2)
	40.00 KΩ	0.01 KΩ	±(0.9% + 2)
	400.0 KΩ	0.1 KΩ	±(0.9% + 2)
	4.000 MΩ	0.00 1 MΩ	±(0.9% + 2)
	40.00 MΩ	0.01 MΩ	±(0.9% + 2)
Languages	English, French, Spanish		
Power	6x AA alkaline batteries, typical battery current: Off mode - 4.25 uA Multi-meter mode: 81 mA with backlight, 41 mA dim backlight Fault Location: 82mA - one test per minute with backlight Live Event Detection: 115 mA when active with backlight, 75 mA dim backlight		
Battery Life	6 x AA alkaline batteries Standby - life of the battery Operating - 20 to 30 hours, mode dependent Batteries are included		
Maximum Range	12,000 ft (3,657 m) at .999 VOP Maximum testable cable length varies with VOP and cable type. VOP (%) with 3 digit precision ranging from 20.0% to 99.9%		
Output Connector	Banana Jacks 600V CAT III		
Leader Cable	Cable Assembly, 5 ft. (1.5 m) 600 Volt CAT III, 95 Ohm		
Altitude	10,000 ft. (3048 m) operating		
Temperature	Operating: 14 to 122°F (-10 to 50°C); Storage: -4 to +140°F (-20 to 60°C)		
Humidity	10 to 90% non-condensing		
Enclosure	High-strength PC/ABS plastic with V0 rating with boot		
Size	1.85"H x 3.6"W x 6.8"L (4.7 x 9.15 x 17.3 cm)		
Weight	With batteries: 1 lb 2 oz (510 g)		
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		
Warranty	1 Year		