

# 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"> <li>• Power Prowler Main Unit</li> <li>• Lantern Prod Test Lead Kit</li> <li>• Flanged crocodile clips: red and black 600V CAT III UL/CSA</li> <li>• BNC (F) Double Banana Plug</li> <li>• BNC (M) to F Connection (F)</li> <li>• Hanging T3 Pouch</li> </ul>

**Optional Accessories**

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

**Specifications**

<b>Measurement Technology</b>	Spread Spectrum Time Domain Reflectometry U.S. Patents and Patents Pending		
<b>Multi-Meter Section</b>			
<b>Description</b>	<b>Range</b>	<b>Resolution</b>	<b>Accuracy (% + counts)</b>
<b>DC Volts</b>	600.0V 40.00V 4.000V	0.1V 0.01V 0.001V	±(0.5% + 2)
<b>Auto-V LoZ True-rms</b>	600.0V	0.1V	±(2.0% + 3) DC, 45~500 Hz ±(4.0% + 3) DC, 500~1 KHz
<b>AC Volts True-rms</b>	600.0V	0.1V	±(1.0% + 3) DC, 45~500 Hz ±(2.0% + 3) DC, 500~1 KHz
<b>Ohms</b>	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)
<b>Languages</b>	English, French, Spanish		
<b>Power</b>	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		
<b>Battery Life</b>	6 x AA alkaline batteries Standby - life of the battery Operating - 20 to 30 hours, mode dependent Batteries are included		
<b>Maximum Range</b>	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%		
<b>Output Connector</b>	Banana Jacks 600V CAT III		
<b>Leader Cable</b>	Cable Assembly, 5 ft. (1.5 m) 600 Volt CAT III, 95 Ohm		
<b>Altitude</b>	10,000 ft. (3048 m) operating		
<b>Temperature</b>	Operating: 14 to 122°F (-10 to 50°C); Storage: -4 to +140°F (-20 to 60°C)		
<b>Humidity</b>	10 to 90% non-condensing		
<b>Enclosure</b>	High-strength PC/ABS plastic with V0 rating with boot		
<b>Size</b>	1.85"H x 3.6"W x 6.8"L (4.7 x 9.15 x 17.3 cm)		
<b>Weight</b>	With batteries: 1 lb 2 oz (510 g)		
<b>Safety Compliances</b>	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		
<b>Warranty</b>	1 Year		