

# 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

- DC Volts, 10M Ohm input impedance
- AC Volts, 10M Ohm input impedance
- AC Volts with a lower impedance to reduce ambient noise pickup
- Continuity with audible signal for low resistance
- Ohms measurement

**2**

### Fault Location

- Quick picture of existing cable faults & condition
- Measures accurate distance to shorts or open faults
- Measures cable length
- Library of common cable type VOP values
- VOP Calibration

**3**

### Live Event Detection

- Continuous monitoring for intermittent faults
- Detect, locate and characterize cable faults
- Ability to time stamp events





- 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      | • Power Prowler Main Unit                             |
|             | • DMM Meter Leads 600V CAT III                        |
|             | • Leader Cable: 5 feet 600V CAT III                   |
|             | • Flanged crocodile clips: red and black 600V CAT III |
|             | • BNC (F) to Double Banana Plug                       |
|             | • BNC (M) to F Connection (F)                         |
|             | • Hanging T3 Pouch                                    |

**Optional Accessories**

| Part Number | Description  |
|-------------|--|
| CA008       | Leader Cable 600V CAT III                                  |
| AD009       | Flanged crocodile clips: red and black 600V CAT III UL/CSA |
| AD006       | Multi-Pin Adapters   |
| CA009       | Cable Assembly, Power Cord to 3 Banana Plugs               |

**Specifications**

|                               |   |                   |  |
|-------------------------------|---|-------------------|--|
| <b>Measurement Technology</b> | Spread Spectrum Time Domain Reflectometry<br>U.S. Patents and Patents Pending   |                   |  |
| <b>Multimeter Section</b>     |   |                   |  |
| <b>Description</b>            | <b>Range</b>  | <b>Resolution</b> | <b>Accuracy (% + counts)</b>                           |
| <b>DC Volts</b>               | 600V  | 1V                | ±(0.5% + 2)  |
|                               | 400.0V  | 0.1V              |  |
|                               | 40.00V  | 0.01V             |  |
|                               | 4.000V  | 0.001V            |  |
| <b>Auto-ACV LoZ True-rms</b>  | 600V  | 1V                | ±(2.0% + 3) DC, 45-500 Hz<br>±(4.0% + 3) DC, 500-1 KHz |
|                               | 400.0V  | 0.1V              |  |
|                               | 40.00V  | 0.01V             |  |
|                               | 4.000V  | 0.001V            |  |
| <b>AC Volts True-rms</b>      | 600V  | 1V                | ±(1.0% + 3) DC, 45-500 Hz<br>±(2.0% + 3) DC, 500-1 KHz |
|                               | 400.0V  | 0.1V              |  |
|                               | 40.00V  | 0.01V             |  |
|                               | 4.000V  | 0.001V            |  |
| <b>Ohms</b>                   | 400.0 KΩ  | 0.1Ω              | ±(0.9% + 2)  |
|                               | 4.000 KΩ  | 0.001 KΩ          | ±(0.9% + 2)  |
|                               | 40.00 KΩ  | 0.01 KΩ           | ±(0.9% + 2)  |
|                               | 400.0 MΩ  | 0.1 MΩ            | ±(0.9% + 2)  |
|                               | 4.000 MΩ  | 0.001 MΩ          | ±(0.9% + 2)  |
| <b>Languages</b>              | English, French, Spanish  |                   |  |
| <b>Power</b>                  | 6x AA alkaline batteries, typical battery current:<br>Off mode - 4.25 uA<br>Multimeter mode: 81 mA with backlight, 41 mA dim backlight<br>Fault Location: 82mA - one test per minute with backlight<br>Live Event Detection: 115 mA when active with backlight, 75 mA dim backlight |                   |  |
| <b>Battery Life</b>           | 6 x AA alkaline batteries<br>Standby - life of the battery<br>Operating - 20 to 30 hours, mode dependent<br>Batteries are included  |                   |  |
| <b>Maximum Range</b>          | 12,000 ft (3,657 m) at .999 VOP<br>Maximum testable cable length varies with VOP and cable type.<br>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>               | 6,500 ft. (2,000 m) operating   |                   |  |
| <b>Temperature</b>            | Operating: 14 to 122°F (-10 to 50°C);<br>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  |                   |  |