

Power Prowler™

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

600V CAT II

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 II |
| | • Leader Cable: 5 feet 600V CAT II |
| | • Flanged crocodile clips: red and black 600V CAT II |
| | • 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 II |
| AD009 | Flanged crocodile clips: red and black 600V CAT II UL/CSA |
| AD006 | Multi-Pin Adapters |
| CA009 | Cable Assembly, Power Cord to 3 Banana Plugs |

Specifications

| | | | |
|-------------------------------|---|-------------------|--|
| Measurement Technology | Spread Spectrum Time Domain Reflectometry U.S. Patents and Patents Pending | | |
| Multimeter Section | | | |
| Description | Range | Resolution | Accuracy (% + counts) |
| DC Volts | 600V | 1V | ±(0.5% + 2) |
| | 400.0V | 0.1V | |
| | 40.00V | 0.01V | |
| | 4.000V | 0.001V | |
| Auto-ACV LoZ True-rms | 600V | 1V | ±(2.0% + 3) DC, 45-500 Hz ±(4.0% + 3) DC, 500-1 KHz |
| | 400.0V | 0.1V | |
| | 40.00V | 0.01V | |
| | 4.000V | 0.001V | |
| AC Volts True-rms | 600V | 1V | ±(1.0% + 3) DC, 45-500 Hz ±(2.0% + 3) DC, 500-1 KHz |
| | 400.0V | 0.1V | |
| | 40.00V | 0.01V | |
| | 4.000V | 0.001V | |
| Ohms | 400.0 KΩ | 0.1 Ω | ±(0.9% + 2) |
| | 4.000 KΩ | 0.001 KΩ | ±(0.9% + 2) |
| | 40.00 KΩ | 0.01 KΩ | ±(0.9% + 2) |
| | 400.0 KΩ | 0.1 MΩ | ±(0.9% + 2) |
| | 4.000 MΩ | 0.001 MΩ | ±(0.9% + 2) |
| Languages | English, French, Spanish | | |
| Power | 6x AA alkaline batteries, typical battery current: Off mode - 4.25 uA Multimeter 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 II | | |
| Leader Cable | Cable Assembly, 5 ft. (1.5 m) 600 Volt CAT II, 95 Ohm | | |
| Altitude | 6,500 ft. (2,000 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 II, 600 V, EMC EN61326-1 | | |
| Warranty | 1 Year | | |