



Power Prowler™

LW-PLR600

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



Revision 08/16/13

Power Prowler™ LW-PLR600



- 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



LW-PLR600

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



LW-PLR600AV

- Power Prowler main unit
- Leader cable 600V CAT II
- Meter test leads 600V CAT III
- Flanged crocodile clips: red and black 600V CAT III UL/CSA
- Multi-pin adapters
- BNC (F) double banana plug
- BNC (M) to F connection (F)
- Hanging pouch

Optional

- Multi-pin Adapters 1000V Cat III (LW-AD006)
- Cable Assembly, Power cord to 3 banana plugs 300V (LW-CA009)

Specifications

Measurement Technology	Spread Spectrum Time Domain Reflectometry U.S. Patents and Patents Pending
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Multi-Meter 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	0.1Ω	±(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)
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	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	PENDING: 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		

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