

PP3PF

Power Probe 3

PowerFlow™

CIRCUIT TESTER — 12-24V DC — POWERFLOW™ TECHNOLOGY

WHAT IS POWERFLOW™?

Standard testing only tells half the story.

Most circuit testers check for voltage — but **voltage alone can lie**. A circuit can show 12V and still be corroded, weak-grounded, or high-resistance. Those hidden faults only reveal themselves under real load.

PowerFlow™ applies a **controlled current (0.5A or 1A)** through a precision 25Ω resistor — exposing voltage drop, bad grounds, and resistance faults that no-load tests simply miss.

// STEP 01 CONNECT THE CIRCUIT

Clip battery leads. Touch probe tip to any 12V or 24V point.

// STEP 02 APPLY A CONTROLLED LOAD

0.5A or 1A pushed through 25Ω — real operating conditions, not idle voltage.

// STEP 03 READ THE LIVE RESULT

Voltage drop, weak grounds, and high-resistance faults appear instantly.

// STEP 04 FIX IT RIGHT FIRST TIME

Confirm with Min/Max capture. One test, total certainty.

01 • PP3PF POWERFLOW™



FEATURES & FUNCTIONS

One tool. Every fault found.

- PowerFlow™ load testing — exposes voltage drop, corrosion & weak grounds under real conditions
- Supplies battery power or ground to activate any component — 12V & 24V DC systems
- DC voltmeter 0–60V range with Min/Max voltage capture for intermittent faults
- Resistance measurement 10Ω–25kΩ — no second meter needed
- Red/Green polarity indicator — tip voltage matches battery within ±0.5V
- Hands-free latch mode — locks output ON while you work the circuit

Self-resetting protection: 10A thermal circuit breaker resets automatically — no blown fuses, no downtime.

WHY UPGRADE & SPECS

The full case for PowerFlow™.

• POWERFLOW™ TECHNOLOGY

STANDARD VOLTAGE TESTER

VS

PP3PF POWERFLOW™

- Tests circuits at rest — no load applied
- Misses high-resistance faults & weak grounds
- Corrosion & degraded wiring go undetected
- No Min/Max capture — intermittent faults escape
- Come-backs cost time and customer trust

- Tests circuits under real operating load
- Exposes voltage drop & resistance faults instantly
- Catches corrosion & damaged wiring before failure
- Min/Max capture locks in events under 200µs
- Fix it right the first time, every time

TECHNICAL SPECIFICATIONS

Function • Range • Value

12V / 24V DC NOMINAL

FUNCTION	RANGE / VALUE	NOTES
Voltage Reading	DC 0-60V • Peak-to-Peak 0-60V	+1 digit resolution
Voltage Supply	12V DC / 24V DC	Battery or ground output
PowerFlow™ Load	0.5A / 1A @ 25Ω resistor	Patent Protected
Resistance Measurement	10Ω - 25kΩ	Display enabled <20kΩ
Frequency (tone pass-through)	10 Hz - >10 kHz	PWM signal detection
Peak-to-Peak Mode	+/- peak voltages over 1s period	Intermittent fault capture
Single Event Capture	<200µs pulse width	Repetitive: <1µs
Polarity Indicator	Red/Green LED	Tip matches battery ±0.5V

// WHAT'S IN THE BOX — PP3PFREDAS

- PP3PF PowerFlow™ Tester
- 20 ft standard power cable
- 3" (8 cm) probe tip
- Battery Clip Set
- Banana Jack alligator adapter
- Cig Lighter adaptor
- 20 ft power cord extension
- Carry Case
- User Manual

// WARRANTY & AVAILABILITY

WARRANTY	2 Years Limited
SUPPORT	Lifetime Technical
SYSTEMS	12V & 24V DC
AMERICAS	shop.powerprobe.com
EUROPE	store.powerprobe.com

SHOP & SUPPORT

Stop chasing ghosts.
Start finding

REAL FAULTS.

Available through authorized Power Probe distributors worldwide. Contact your rep for shop and fleet pricing.

AMERICAS shop.powerprobe.com

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