



Power Probe 3 (PP319FTC)

Overview

Power Probe
Power Probe™ III 12 to 42-Volt Lead Tester with Case
and Accessories
PP319FTC

multitude of testers right at your fingertips!

- Test Light
- Replacement Switch
- Built-in Flashlight
- Short Circuit Indicator
- Relay & Component Tester
- Continuity Tester
- Bad Ground Indicator
- 20 ft. Jumper Lead Set
- 42 Volt Ready Kit Includes:
 - Cigarette Lighter Adapter
 - 3" Extension Probe
 - Battery hookup clips
 - 20 ft. extension lead
 - Adjustable Audio Tone
 - Instruction manual
 - Blow mold case

The Power Probe III is NOT to be used with 110/220-volt HOME electrical, it is only for use with 12-24-volt systems



Voltage Levels and Polarity

After connecting the PP3's clips to the vehicle's battery, you can determine at a glance, the voltage level and the polarity of a circuit without running for a voltmeter or reconnecting hook-up clips from one battery pole to the other. The PP3 power switch allows you to conduct a positive or negative battery current to the tip for activating and testing the function of electrical components without wasting time with jumper leads.

Short Circuits

The PP3 is short circuit protected. It tests for bad ground contacts instantly without performing voltage drop tests. It allows you to follow and locate short circuits without wasting precious fuses.

Continuity

The Power Probe can also test for continuity with the assistance of its auxiliary ground lead. With a flip of the power switch, you will know at a glance that your PP3 is functioning without running to the battery as you would otherwise have to do with simple test lights.

20-ft Extension

The PP3's 20ft (extendable) cable allows you to test along the entire length of the vehicle without constantly searching for ground hook-ups.

An absolute must for every automotive technician looking for a fast and accurate solution to electrical systems diagnostics.

Specifications of Power Probe 3

Maximum Voltage on Probe Tip: 200 Volts Relative to the Negative Battery Clip

Probe tip resistance to ground 130K Ω

Computer Safe: 0.1mA floating tip

Warning: do not press power switch while connected to computer circuits with PP 1, 2, or 3

Mode 1: Power Probe Mode

DC Voltage Measurement: 0 to 70 Volts (in 1/10th increments)

AC Voltage Measurement: 0 to 70 Volts Peak to Peak

(See Mode 5: Peak to Peak & Threshold Setting)

Square Wave Input Response: 15 Hz to over 500KHz

Sine Wave Input Response: 35 Hz to over 250KHz

Continuity to Ground: Greater than 20K Ohms - Display is Blank

Less than 20K Ohms: Display reads 0.0

Less than 2K Ohms: Display reads 0.0 and Green Led is On

Mode 2: Min and Mode 3: Max

Voltage Measurement: 0 to 70 Volts

Single Event Capture: Less than 200 Micro Second Pulse Width

Repetitive Events: Less than 1 Micro Second Pulse Width

Mode 4: Peak to Peak Mode

0 to 70 Volts P-P

Square Wave Input Response: 4 Hz to over 500KHz

Sine Wave Input Response: 4 Hz to over 250KHz

Mode 5: Peak to Peak Mode Threshold Setting

0.2, 0.5, 1, 2, 5, 10 & 50

When the Peak to Peak Voltage on the Probe Tip exceeds this threshold then the display is Peak to Peak AC rather than DC.

Circuit Breaker

8 amp thermal response - manual reset: 8 amp=No trip; 10 amps=20 min; 15 amps=6 sec; 25 amps=2 sec.

Short circuit = 0.3 sec.

Environmental

Storage temperature: -40 $^{\circ}$ (-40 $^{\circ}$) to 70 $^{\circ}$ (158 $^{\circ}$)

Operating temperature: -20 $^{\circ}$ (-4 $^{\circ}$) to 60 $^{\circ}$ (140 $^{\circ}$)

An Absolute Must for Every Mechanic!

THE POWER PROBE III

A Multitude of Testers
Right at Your Fingertips!

Voltmeter

Built-in Flashlight

Peak to Peak Voltage detection

Relay & Component Tester

3 Level Continuity Tester

Bad Ground Indicator

Voltage Drop Detection

Audible Monitoring

POWER PROBE

TOOLS FOR THE AUTOMOTIVE INDUSTRY

New Design...
Heavy-Duty Connectors!



Keyed for Easy Fit
All Gold Plated Contacts

Important Note!

**Now with a
Voltmeter!**

#PP319FTC
Kit includes:
Power Probe III
Cigarette Lighter Adapter
3" Extension Probe
Battery hook-up clips
20ft extension lead
Instruction manual
Blow mold case

Probe Tip Extension

