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TopDiag P100 Pro 9v-30v Automotive Circuit Tester Power Circuit Probe Kit, 12V 24V AC DC Electrical Digital Voltage Tester multimeter Component Activation Short Finder with Lights for Cars Trucks

- The P100 Pro is the generation intelligent electrical system circuit tester with 2.4 inch large size LCD screen display. It's dedicated to test all 9v-30v vehicle electrical systems. Not only can test the voltage and ground signals in the DC circuit, but also provide ground function, 0-5v power supply and activate test components, multimeter mode & oscilloscope mode, allowing you to more conveniently and quickly test the automotive electrical system.

- [Quickly Test Automotive Electrical Circuit Systems] With this Automotive Circuit Tester kit, intelligent test identification of voltage value, resistance value and positive and negative polarity, grounding detection, poor line contact, Short circuit tracking and positioning, continuity test, signal circuit test, etc. can be performed. Accelerates diagnosis and troubleshooting of automotive power circuit problems.

- [0-5V Power Supply] Our car automotive diagnostic test tool has a 0-5v power supply function that other common Circuit Test tools do not have. It can simulate the voltage output by the sensor (0-5v can be adjusted incrementally), so as to verify whether there is a short circuit or fault in the ECU circuit.

- [Component Activation] TopDiag circuit tester with a 20ft cable is able to connect the vehicle battery without jumper cables and power and test the functionality of components such as lights, radiator fans, starters, relays, power windows, windshield wipers and more. (Note: Activation mode is designed for power supply only and cannot be used for any sensitive electronic equipment (such as ECU, sensor module, SRS (airbag) system), otherwise there is a risk of burning out components.)

- [Digital multimeter Mode] Circuit tester automotive contains common parameters of conventional multimeters, which can be used to detect voltage, current, resistance, diode, frequency in DC circuit system. Car Circuit Tester displays various values on a high-definition digital screen, which greatly improves the ease of operation, readability and convenience. The top of the Power Circuit Probe test tool has two LED lights designed to light up the work area in the dark.

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Main Features

- Intelligent identification of voltage/resistance
- multimeter mode (measure voltage, resistance, diode)
- Oscilloscope function
- Activation of vehicle components
- 0-5V adjustable power supply
- Signal frequency & duty cycle
- Network online upgrade
- Built-in 14 languages

Technical Specifications

- Display: 2.4 inches (320*240 DPI) TFT true color display
- Working temperature: 0-60°C (32-140 F°)
- Storage temperature: -40-70°C (-40-185 F°)
- External power supply: 12V or 24V powered by battery
- Working voltage: 9V~30V
- Measuring voltage: 0.1V~100V
- Resistance measurement range:1 ohm~200K ohm
- Current measuring range: 0~18A
- Max continuous current: 18A
- Color: black/red/orange/yellow/green/blue

Upgraded Multimeter

To use the multimeter mode,
You need to press the button to switch
the test mode, and the LCD will read the
DC voltage (VDC), resistance (OHM),
Diode/continuity test (DIO)

0-5V Power Supply

0-5V power supply mode is designed
as an active mode, but the function is
different from the component activation
mode. It can adjust the voltage output
under 5V and limit the current under 100mA.
(This is safe to avoid burning out electric components).

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Oscilloscope Powerful Functions

Use an OBD2 Scanner to read out the FAULT CODE(DTC) from the vehicle and found the problem is with some kind of sensor circuit, there is a fast way to test the sensors conditions with this probe

Component Activation

The component activation function is Designed to generate activation signals to the tested components, such as activating lights, motors and other on-board electric equipments.(**To Avoid burning out the Component, Please refer to the specification and parameter of component and then Set the OVERLOAD CURRENT VALUE**)

Trailer Lights and Connection Test

When the Probe is in Multimeter or SMART Test , Connect the Probe auxiliary ground lead to the trailer light, and insert the Probe Tip into the OBD socket to display the current voltage.

Following & Locating Short Circuits

In most cases, a short circuit will appear as a blown fuse or a tripping of an electrical protection device (such as a circuit breaker tripping).

Screen Saver

When receiving the product, be sure to tear off the screen protective film (the screen protective film is thin and difficult to find, please look for it carefully)

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