

Armada Technologies® Pro12™

Non-Contact Voltage Detector User Manual



Warning

Please read the instruction manual carefully before use and strictly observe the safety cautions and warnings.

Safety Instructions



Warning

To avoid possible electric shock and personal injury, please heed the following warnings.

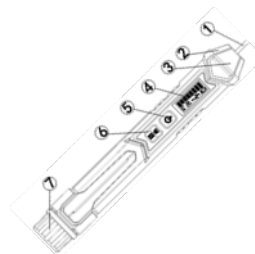
- Before each use, visually inspect the voltage detector, looking for any defects or cracks. Examine the tip of the probe especially carefully, making sure the clear plastic is intact and

completely covers the metal tip. If damage is detected, do not use the voltage detector and contact the manufacturer.

- Then turn the voltage detector on and make sure the display is functional. And test the voltage detector on a known and working power supply to ensure it is operating correctly.

The Meter Layout

- ① Probe (NCV Sensor)
- ② Flashlight
- ③ Signal Indicator
- ④ Display
- ⑤ Power Button (Red)
- ⑥ Sensitivity/Flashlight Button(Green)
- ⑦ Battery Cover



Operation

Power On/Off

Press and hold the red power button for 1 second to turn the Pro12 on. It will beep and the display backlight will come on with the words AC and Lo, indicating it is ready to use. To turn it off, press the power key. It will beep and the display will go blank.

High/Low Sensitivity

When powered on, the Pro12 automatically defaults to the low sensitivity test mode. The

range of low sensitivity test mode is 48V-1000V.

To change to the high sensitivity test mode, press the green Sensitivity/Flashlight button for less than one second (Do not press and hold).

The sensitivity/flashlight button's backlight will turn on, causing the button to glow green. This indicates the Pro12 is in high sensitivity mode. The range of high sensitivity mode is 12V-1000V.

Flashlight

To turn on the flashlight, press and hold the green flashlight/sensitivity button until the flashlight comes on. To turn off the flashlight, press and hold the green flashlight/sensitivity

button until the flashlight turns off.

AC Voltage Detection


Place the voltage detector near the source of AC voltage. When voltage is detected, the probe tip will flash red, there will be an audible beep, and there will be a bar or bars on the display. The strength of the voltage detected is indicated by the frequency of the beeps and flashes, and by the number of bars on the display. For example, putting the probe in the Live wire socket on an outlet will result in faster beeping and flashes, and more bars will appear on the display. If you put the probe in the neutral socket, the beeping and flashing will be slower/less frequent,

and you will see fewer bars on the display.

Auto Power Off

After 3 minutes of no operation and no voltage detection, the Pro12 Voltage Detector will automatically shut off in order to extend the battery life.

Low Battery Indicator

When the batteries drop below 2.5 Volts, this low battery indicator  will appear on the display. Please replace the batteries when this indicator appears. If the batteries drop below 2.3 Volts, the voltage detector will automatically turn off and will be inoperable.

Technical Specifications

Operating Voltage Range:

AC Voltage: 12-1000V,
50/60 Hz

Operating Temperature:

0-40° C or 32-104° F

Storage Temperature:

10-50° C or 14-122° F

Humidity: ≤ 95%

Altitude: ≤ 2000m or 6562 feet

Safety Compliance:

CAT.III 1000V

CAT.IV 600V; CE

Battery: 2 x 1.5V AAA

Replacing Batteries

Unscrew the cap of the Pro12 voltage detector. Insert the batteries one by one, positive end first, meaning the positive

terminal should face downward toward the tip of the probe. The negative terminals should be facing up toward the battery cap. Replace the cap by pushing down on the batteries and screwing it back on.



Warning

To avoid shock, replace the battery cap before operating the Pro12 Voltage Detector.

Armada Technologies®

8535 Byron Commerce Dr
SW, STE A
Byron Center, MI 49315

Phone: (616) 803-1080

www.armadatech.com

© Armada Technologies LLC 2021