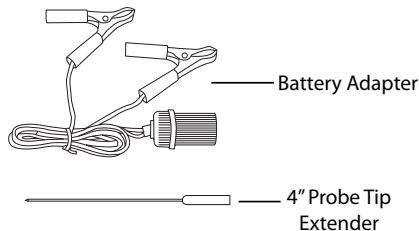
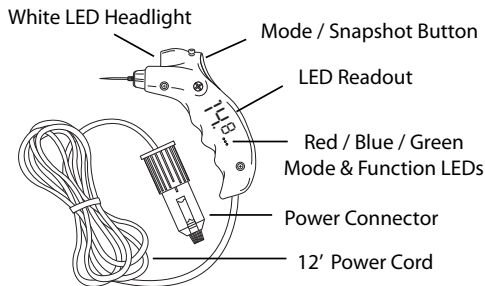


HICKOK**WAEKON**

Volt Pro Instructions



White LED Head lamp—Turns on automatically at power up.

Mode/Snapshot Button—Press and hold for 1 second to go to the next mode. To take a snapshot of the current reading on the LED readout, press and quickly release the button. The tester beeps each time you press the button.

LED Readout—Displays current readings.

Red / Blue / Green Mode & Function LEDs—LEDs light to indicate the currently selected mode, the circuit type, load, or capture. See the LED Mode / Function chart for details.

LED Mode /Function Chart

<i>Mode</i>	<i>LED Indicator</i>	<i>Description</i>
Normal	Blue LED off	Standard volt meter mode
	Red LED on (steady)	Power voltage is 1.5 or higher
	Green LED (steady)	Ground voltage is below 1.5v
	Red & Green LED off	Indicates an open circuit
Circuit Loading	Blue LED on (steady)	Displays voltage under load
Min / Max Glitch Capture	Blue LED on (flashing)	Ready to detect min / max voltage
	Red & Blue LED on (alternating flashing)	Maximum voltage captured displayed
	Green & Blue LED (alternating flashing)	Minimum voltage captured displayed

About the Test Modes

Normal Mode—*use this mode to measure voltage*

- Default mode at power-up
- Measures DC voltage
- Detects Power or Ground (Red/Green LEDs)

Circuit Loading Mode—*use this mode to diagnose faulty powers and grounds*

- Voltage under load is displayed
- Dynamically test circuits ability to deliver voltage
- Verifies good ground

Min/Max Glitch Capture Mode—*use this mode to pinpoint intermittent connections*

- Starting voltage measured and stored upon entering mode.
- When voltage increases / decrease by $>1\text{v}$, the subsequent peaks are captured.
- Peak maximum / minimum voltage captured remains displayed until the Mode /Snapshot button is quickly pressed and released or you change to another mode.

Test Procedure

1. If needed, screw on the 4" probe tip extender over the probe tip.
2. If you are testing under the hood, attach the battery adapter:
 - red clamp to battery positive
 - black clamp to battery negative
3. Plug the power connector into the power source (the Volt Pro turns on automatically):
 - vehicle's auxiliary power port
 - battery adapter power connector (optional)
4. Probe a point on the circuit you are testing.
5. To go to the next mode, press and hold the Mode/Snapshot button 1 second.

Specifications

Range:	0–99.9 VDC
Accuracy:	+/-1% full scale
Resolution:	0.1 VDC
Sample Rate:	100/sec
Probe tip over voltage protection:	+/- 150 VDC
Supply voltage Range:	7–18 VDC
Operating Temperature Range:	0–100° F
Supply current:	100 mA Typical
Probe tip input impedance:	> 100K (circuit loading off)
Open circuit detection threshold:	> 50 ohms
Loading resistors:	300 ohms

Notes:

- *Voltage over range ($V > 99.9 V$) displays **uuu** on LEDs*
- *Loading will only be applied if unloaded volts $< 20 VDC$*
- *Sourced (to power) loading maximum is $V-Supply-2 V$*

Contact Information

Whether you have a question about service or parts from Hickok or Waekon, we are ready to provide an answer. Options for reaching us include our 24/7 accessibility by fax or the World Wide Web. Or contact us by telephone during standard business hours EST.

www.hickok-inc.com

www.waekon.com

www.quick-n-ezparts.com

Fax: (216) 761-9879

**Hickok customer care & tech support:
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