

AMPROBE® VOLTAGE AND CONTINUITY TESTER MODEL VPC-10N Instruction Manual

⚠ Safety Information

- Never use the tester if it or its test leads appear damaged.
- Never apply more than 600V DC or 600V AC rms. between any terminal and earth ground.
- If the LED turns on it indicates the presence of voltage at the probe tips.
- When using the probes, do not touch the metal probe tips.
- Disconnect the live test lead before disconnecting the common test lead.
- Before each use, verify the tester's operation by measuring a known voltage.

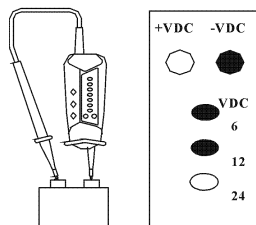
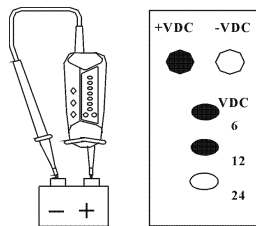
Automatic Operation

The tester automatically turns on when you place the probes across a complete circuit. The tester selects continuity or DC or AC voltage mode based on the resistance or voltage between the probes. The tester automatically turns off when you remove the probes from the complete circuit.

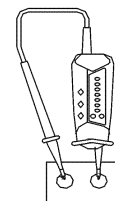
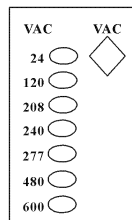
Measuring Voltage

Connect test leads across the source or load under measurement, the LED turns on at between 70% and 100% of their rated voltages.

DC Voltage 600V DC maximum



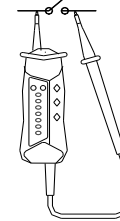
AC voltage 600V RMS Maximum 45 Hz to 66 Hz



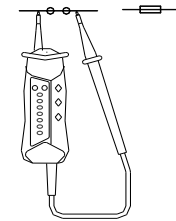
Testing for Continuity

Turn off circuit power before testing. Beeper indicates shorts lasting 1ms or longer

OPEN



short or 0-85KΩ



Non-contact AC Voltage (NCV) detection operating instructions

WARNING: Risk of Electrocution. High-voltage circuit, both AC and DC, are very dangerous and should be measured with great care.

WARNING: Risk of Electrocution. Before using to check for voltage in an outlet, always test the Voltage Tester on a known live circuit to verify that the Voltage Tester is working properly.

WARNING: Risk of Electrocution. Keep hands and fingers on the body of the probe and away from the probe tip. Don't touch conductor.

1. To check for AC voltage, assure the bottle shaped protrusion of the fixed probe, see figure below, is in close proximity to the hot conductor. The LED in the fixed probe will illuminate.
2. To check for the presence of AC voltage at an outlet, using the NCV LED, insert either probe tip into the outlet's hot side. If the black probe is used only the NCV LED will illuminate. If the fixed probe is inserted not only will the NCV LED illuminate but some of the LEDs on the front of the instrument will illuminate also. In this application these LEDs won't indicate the correct voltage and should be ignored.

