

AMPROBE® Digital Voltage and Continuity Tester Model VPC-20

Instruction Manual

⚠ Safety Information

- Never use the tester if it or test leads appear damaged.
- Never apply more than 600V DC or 600V AC rms. between any terminal and earth ground
- When using the probes, keep your fingers behind the finger guard on the probes.
- Turn off power to the circuit under test before cutting, desoldering, or breaking the circuit. Small amounts of current can be dangerous.
- Use caution when working with voltage above 60V dc or 30V ac rms. Such voltages pose a shock hazard.

Automatic Operation

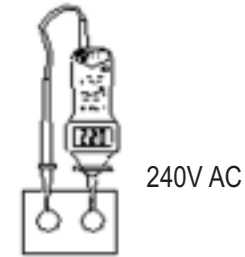
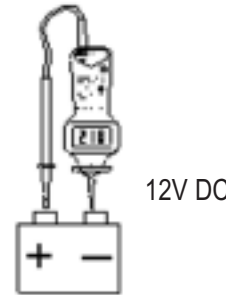
The tester automatically turns on when you short the two test probes or place the probes across a complete circuit. When turned on, the tester powers up in continuity mode. If a dc or ac voltage greater than about 4.0V is present across the inputs, the tester switches to dc or ac voltage mode. The tester automatically shuts down after approx. 4 minutes of inactivity.

Continuity testing

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

Measuring Voltage
Refer to Automatic Selection
DC Voltage (Volts dc > 4.0V)
600V dc maximum

AC Voltage (Volts dc > 4.0V)
600V ac maximum
50Hz to 400Hz



Specifications:

Function	Range	Accuracy (%rdg.+digits)
V AC(50Hz~400Hz)	600V	±(2.9%+8)
V DC	600V	±(1.5%+2)

Continuity test: Audible threshold 0~10KΩ, Continuity beeper 2KHz.

Overload protection: AC/DC 600V

Dimensions/wt.: 215x96.3x37.5mm/312g

Display: Large 1999 count LCD display with function and high voltage warning indication.
Maximum Voltage Between any Terminal and Earth Ground: 600V dc; 600V ac rms,
Over-voltage Category III 600V

Safety: Complies with EN61010-1:1993 for use in over-voltage CAT III environments

Pollution Degree: 2

For indoor use only

EMC Regulations: EN50081-1, EN50082-1

Polarity: Automatic, (-)negative polarity indication.

Over-range: "1" mark indication

Low battery indication: The "BAT" is displayed when the battery voltage drops below the operating level

Measurement rate: 2 times per second, nominal

Continuity test: Audible threshold 0-10KW, Continuity beeper 2KHz

Input Impedance: 400KΩ

Temperature: 5 °C(41°F) to 40°C (104°F)

Altitude: Operating: 2000m; Storage: 10,000m

Relative Humidity: 80% for Temp up to 31C decreasing linearly to 50 % RH at 40C

Pollution Degree: 2

For indoor use only

Battery Type: AA (2) NEDA 15F or IEC R6

Replacing the Batteries

If the sign "BAT" appears on the LCD display, it indicates that the batteries should be replaced. Remove screws on the back cover and open the case. Replace the exhausted batteries with new batteries. (AA(2);NEDA 15F or IEC R6)

2xAA

Disconnect probes from Voltag. Do not over-tighten screws



WARRANTY

Congratulations! Your new instrument has been quality crafted according to quality standards and contains quality components and workmanship. It has been inspected for proper operation of all of its functions and tested by qualified factory technicians according to the long-established standards of our company.

Your instrument has a limited warranty against defective materials and/or workmanship for one-year from the date of purchase provided that, in the opinion of the factory, the instrument has not been tampered with or taken apart.

Should your instrument fail due to defective materials, and/or workmanship during this one-year period, a no charge repair or replacement will be made to the original purchaser. Please have your dated bill of sale, which must identify the instrument model number and serial number and call the number listed below:

Repair Department
ATP – Amprobe, TIF, Promax
Miramar, FL
Phone: 954-499-5400
800-327-5060
Fax : 954-499-5454
Website: www.amprobe.com

Please obtain an RMA number before returning product for repair. Outside the U.S.A. the local representative will assist you. Above limited warranty covers repair and replacement of instrument only and no other obligation is stated or implied.



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