

NC-120
NON-CONTACT AC VOLTAGE DETECTOR
OPERATIONS MANUAL

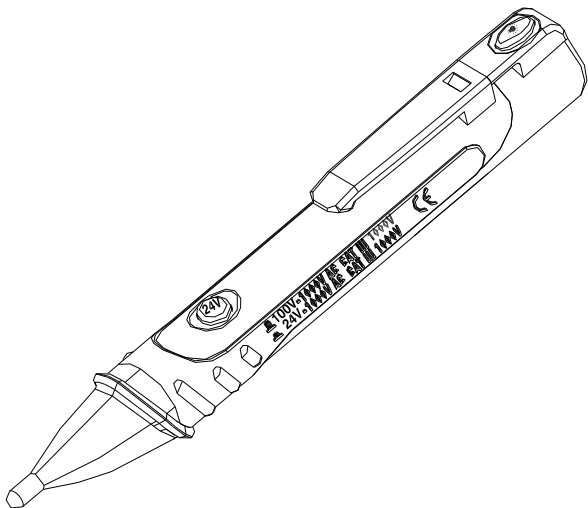


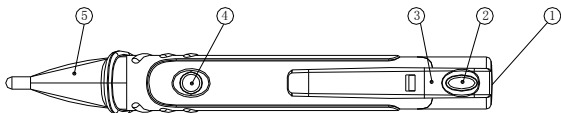
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1. GENERAL APPLICATIONS

The NC-120 voltage detector is intended to check for the presence of AC voltage, signaling the user with a glowing red LED and an audible Beep when there is voltage present. The NC-120 has 2 voltage ranges and comes with a built-in flashlight with ON/OFF button

2. DETECTOR DESCRIPTION



- ① ----- Flashlight
- ② ----- Flashlight power ON/OFF
- ③ ----- Battery compartment & cover
- ④ ----- 100V/24V selector button
- ⑤ ----- Red LED voltage indicator tip

3. SAFETY INFORMATION (Read First)



Warning



To avoid possible electric shock or person injury:

- 1) Do not use if Tester appears damaged or if the Tester is not operating properly. If in doubt, have the Tester serviced.
- 2) Do not apply the Tester to more than the rated voltage, as indicated on the Tester.
- 3) Use caution with voltage above 25VAC as a shock hazard may exist.
- 4) Comply with all local and national safety requirements.
- 5) Always use proper protective equipment as required by local or national authorities.
- 6) Before each use, verify operation by testing a known, working circuit that is within the rating of this unit. A steady red glowing tip (not flashing) and beep indicate voltage is present. If no indication, voltage could still be present. Do not rely on this tester with shielded wire. Operation may be affected by differences in socket design, type and condition. If this product is used in a manner not specified by the manufacture, protection provided by the product may be affected.

4. SPECIFICATIONS & ACCURACY DATA

Detection voltage range	100VAC to 1000VAC, 24VAC to 1000VAC
Power	3V(AAA x 2) alkaline battery
Operating temperature	-10°C to 50°C (14°F to 122°F)
Storage temperature	-10°C to 50°C (14°F to 122°F)
Humidity	95%(0°C to 30°C (32°F to 86°F))
Altitude	3000m
Contaminated distinction	II
Weight	48.5g

5. OPERATING INSTRUCTIONS

1) Checking for the presence of AC (100VAC-1000VAC)

Voltage.

Place the tip of the unit near the AC voltage source to be tested. A steady red glow in the tip and a continual beep signal the presence of voltage.

2) Checking for the presence of AC (24VAC-1000VAC)

Voltage.

Press and hold the small, red **24V** button for 24V. Place the tip of the unit near the AC voltage source to be tested. A steady red glow in the tip and a continual beep signal the presence of voltage.

3) Flashlight operation

Press and hold the red button  to turn on flashlight.

Release button to turn off flashlight.

6. BATTERY REPLACEMENT

- a. Disconnect the unit from the circuit.
- b. Remove the battery compartment.
- c. Replace the batteries (observe polarity).
- d. Slide back the battery compartment.
- e. Test unit on known, functioning circuit.

NOTE: Remove battery for prolonged storage or extended periods of no use.

7. WARRANTY

This PDI product is warranted to be free from defects in materials and workmanship for a period of one (1) year from the verified date of purchase. During the one year warranty period, PDI will either repair or replace the defective unit, at PDI's discretion. A purchase receipt or other acceptable form of proof of original purchase date will be required before any warranty processes begin. PDI warrants all authorized repairs with a six (6) month limited warranty. View full warranty details and register your PDI product at **www.PDIimeters.com**

NOTE: Online product registration is required for all warranty claims.

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Precision Diagnostic Instruments

7581 W. 103rd Ave.

Westminster, CO 80021

Tel: 1-800-453-7892

Fax: 303-650-1238

