protech

Non-Contact AC Voltage Detector
QP2268
User Manual

1.Read First:Safety Information

⚠ **Warnings:**
• It is important that users of this tester read, understand, and follow all warnings, cautions, safety information, and instructions in this manual before operating or servicing this tester. Failure to follow instructions could result in death or serious injury.
• Risk of electric shock and burn. Contact with live circuits could result in death or serious injury.
• Use caution with voltages above 30V AC as a shock hazard may exist.
• A steady red glow and continuous beep indicates voltage present. If no indication, voltage could still be present.
• In bright light conditions, the LED visual indicators will be less visible.
• Do not use if green LED is not illuminated.
• Do not use if tester appears damaged or if the tester is not operating properly. If in doubt, replace the tester.
• Do not apply more than the rated voltage as marked on the tester(1000 Volts AC).
• Always wear approved eye protection.
• Before each use, verify operation by testing a known working circuit that is within the rating of this tester.
• Do not rely on this tester with shielded wire. Operation may be affected by differences in socket design and insulation thickness and type.
• Comply with local and national safety requirements.
• If this tester is used in a manner not specified by the manufacturer, protection provided by the tester may be affected.
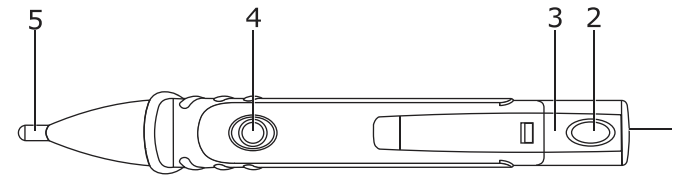
⚠ **Caution:**
• Do not attempt to repair this tester. It contains no serviceable parts.
• Do not expose the product to extremes in temperature or high humidity.

Symbols:
▣ - Double Insulated.
⚠ Caution.Risk of electric shock.

⚠ Risk of danger. Important information.Read Manual.
CAT IV-Equipment is designed to protect against transients from the primary supply level.

2.Detector Description

1.------- Flashlight
2.------- Flashlight power ON/OFF
3.------- Battery cover&compartmen
4.------- NCV power ON/OFF
5.------- Detector tip (NCV sensor)

3.Operating Instructions:
Turn unit on:
1.Measurement with sound alarm:
    Beep mode: Press the power button, a single-beep sound with red LED flash for 0.5s and then a steady green LED to illuminate in the tip of the tester. Silent mode: Press the power button for 1 second, red LED flash for 0.5s without beep and then a steady green LED to illuminate in the tip of the tester. Release the power button; the tester is now activated and is operational with beeper alarm. Test on known live circuit to verify tester functionality.
2.Measurement without sound alarm
    Press the power button for 3 seconds. A red LED flash for 0.5s and then a steady green LED to illuminate in the tip of the tester. Release the power button; the tester is now activated and is operational without beeper. Test on known live circuit to verify tester functionality.

Turn unit off:
    Press and hold the power button for 2 second. Listen for a long beep sound and watch the "power on"green/red LEDs turn off. Release the power button; the tester is now deactivated and is not operational.

System self-test:
    The "power on" green/red LED & Beeper visually confirms battery sufficiency, system integrity, and at operation/active mode. Always test on known live circuit to verify tester functionality prior to use.

Checking for the presence of AC voltage:
    Prior to use, test on known live circuit to verify tester functionality.
    Place tip of the tester near an AC voltage. If the tester detects voltage, the "power on" LED in the tip of the tester changes color from green to red and a discontinuous beeping sound is generated.

Low battery indication:

   Scenario 1 – Powering on the tester: The "power on" LED in the tip of the tester changes from a steady green to a blinking green and a series of beeping sounds is generated. The tester then turns off. The unit is now deactivated and is not operational; the batteries require replacement. To replace the tester batteries refer to the Maintenance section titled "Battery Replacement."

   Scenario 2 – Operating the tester: If the LED lights become dim and the tone fades, the tester may require new batteries. To replace the tester batteries refer to the Maintenance section titled "Battery Replacement."
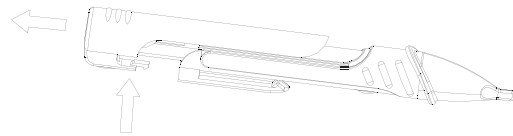
Auto Power Off:

   After 5 minutes of non-use, the tester automatically powers off to conserve battery life. Listen for a double-beep sound and watch the "power on" green LED turn off. The tester is now deactivated and is not operational.
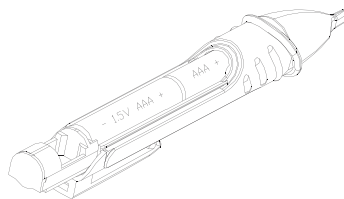
Flashlight Operating

Press and hold the Flashlight ON/OFF button to turn on Flashlight. Flashlight turned off once the Flashlight button is released.

Battery Replacement:
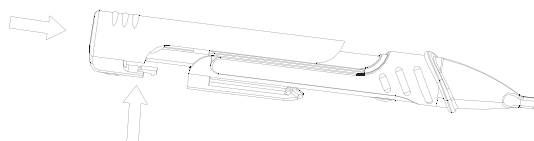
1.Remove the end cap by gently lifting the pocket clip to release the catch.

2. Insert two AAA batteries (observe polarity).

3. Replace the end cap

NOTE: If your meter does not work properly, check the battery to make sure that it still good and that it is properly inserted.

4.Specifications:

Voltage range: 50 V AC to 1000 V AC (50/60Hz)

Tester type: Non-Contact Voltage Detector

Voltage detection indicators:
Visual: High intensity Red LED
Audible: Discontinuous Beeping Sound

Operating conditions:
Temperature:0°Cto 40°C (32°Fto 104°F)
Relative Humidity: <80%
Altitude: Up to 6,562 feet (2,000 meters) maximum
Environment: Indoor Use

Storage conditions:
Temperature: 0°to 40°C (32°to 104°F)
Relative Humidity: <80%
Altitude: Up to 6,562 feet (2,000 meters) maximum
Environment: Indoor

Power on indicator & illuminator :
Visual: High Intensity Green LED

Power off & auto power off:
Visual: Power-On LED turns off
Audible: Continuous Beeping Sound

Low battery indicators:
Visual: Green LED Blinks
Audible: Series of Beeping Sounds

Batteries: Two "AAA"1.5V betteries

Pollution degree: 2

Safety Complies with EN 61010-1 2nd Edition, EN 61326 EMC to
CAT III 1000V CAT IV600V