Wintact WT3010

Wintact Non-Contact AC Voltage Detector Pen User Manual

Model: WT3010 | Brand: Wintact

INTRODUCTION

The Wintact Non-Contact AC Voltage Detector Pen (Model WT3010) is a versatile and essential tool designed for safely detecting AC voltage in various electrical applications. Its non-contact design ensures user safety by eliminating direct contact with live wires. This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your device.

Image: The Wintact WT3010 Non-Contact AC Voltage Detector Pen, shown with two AAA batteries, highlighting its compact design and readiness for use.

KEY FEATURES

- **Enhanced Safety:** Features a fully insulated probe tip to prevent direct contact with live electrical wires, ensuring user safety. It holds CAT III 1000V and CAT IV 600V ratings and meets CE requirements.

- **Dual Range Sensitivity:** Offers two detection ranges: 12V-1000V (High Sensitivity) and 48V-1000V (Low Sensitivity). Sensitivity can be adjusted via the 'S' button to suit different detection needs, from outlets to circuit breakers.

- **Clear Indication:** Provides both audible beeps and visual red LED flashing for high voltage detection. The frequency of the beep and the intensity of the light will increase as the voltage strength increases or as you get closer to the live wire.

- **Integrated Flashlight:** A bright LED flashlight is included for illuminating dark work areas, enhancing visibility and safety.

- **LCD Display:** An easy-to-read LCD screen displays voltage levels and battery status.

- **Energy Saving:** Equipped with an auto-off function to conserve battery life and a low power indicator (below 2.5V) to alert users when batteries need replacement.

- **Portable Design:** Features a convenient pen hook for easy carrying, allowing it to be clipped to a pocket.

Image: Visual representation of the Wintact Non-contact Voltage Detector's key features, including dual range detection, audible alarm, sensitivity adjustments, flashlight, battery indicator, and auto-off function.

Image: The Wintact Voltage Detector is safety rated CAT III 1000V and CAT IV 600V, indicating high safety standards for electrical testing.

WHAT'S IN THE BOX

- 1 x Wintact Non-Contact AC Voltage Detector Pen (Model WT3010)
- 2 x 1.5V AAA Batteries (pre-installed or included separately)

SETUP

1. **Battery Installation:**

   Unscrew the battery cap at the bottom of the pen. Insert two 1.5V AAA batteries, ensuring correct polarity (+/-). Replace the battery cap securely. The device will power on automatically or require a press of the power button.
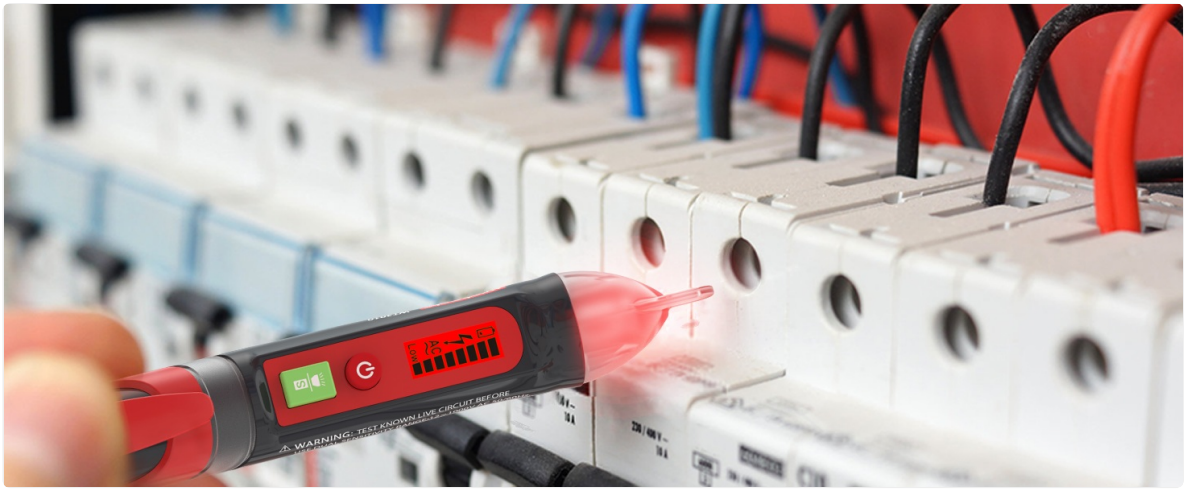
Image: Illustration showing the correct method for installing two AAA batteries into the Wintact Voltage Detector by unscrewing the bottom cap.

2. **Power On:** Press the power button (usually marked with a power symbol) to turn on the device. The LCD display will illuminate.

3. **Self-Test:** The device performs a brief self-test upon power-on. Ensure the low power indicator is not active.

OPERATING INSTRUCTIONS

1. **Voltage Detection:**

   Place the tip of the voltage detector near the wire, outlet, or electrical component you wish to test. If AC voltage is present, the tip will glow red, and an audible buzzer will sound. The frequency of the beep and the intensity of the light will increase as the voltage strength increases or as you get closer to the live wire.
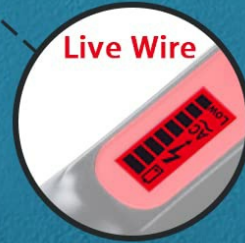
Red LED and audible tone indicates voltage is detecting
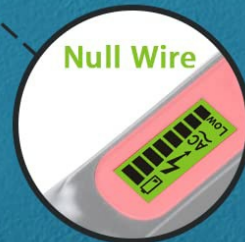
Live Wire

Green LED indicates tester is not detecting voltage

Null Wire

Image: The voltage detector's red LED and audible tone indicate voltage detection when placed near a live wire in an electrical outlet. Below, a green LED indicates no voltage when testing a null wire.

1.02 in

6.57 in

2. **Adjusting Sensitivity (Dual Range):**

Press the 'S' button to switch between the two sensitivity ranges: 12V-1000V (High Sensitivity) and 48V-1000V (Low Sensitivity). Use high sensitivity for detecting voltage in less accessible areas or through insulation, and low sensitivity for direct testing of outlets or wires.

Image: The Wintact Voltage Detector displaying its Dual Range capabilities: 12-1000V for High Sensitivity and 48-1000V for Low Sensitivity, along with its CAT III 1000V and CAT IV 600V security levels.

3. **Breakpoint Test:**

To locate a break in a live wire, move the detector along the wire. The alarm and light will cease at the point where the voltage is no longer detected, indicating the breakpoint.

Image: The Wintact Voltage Detector being used to quickly determine if voltage is present in a cable, illustrating its breakpoint testing capability.

4. **Using the Flashlight:**

Press the flashlight button (often marked with a light bulb icon) to turn the integrated LED flashlight on or off. This is useful for working in dimly lit environments.

Image: An electrician utilizing the built-in flashlight of the Wintact Voltage Detector to illuminate a dim electrical panel, demonstrating its utility in low-light conditions.

5. **Auto-Off Function:**

   The device will automatically power off after a period of inactivity to conserve battery life.

MAINTENANCE

- **Cleaning:** Wipe the device with a dry, clean cloth. Do not use abrasive cleaners or solvents.

- **Battery Replacement:** Replace batteries when the low power indicator is displayed on the LCD. Always use fresh 1.5V AAA batteries.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new 1.5V AAA batteries.
Inconsistent or no voltage detection.	Low battery, incorrect sensitivity setting, or interference.	Replace batteries. Adjust sensitivity using the 'S' button. Ensure no strong electromagnetic fields are nearby.
Flashlight does not turn on.	Low battery or flashlight button not pressed correctly.	Replace batteries. Press the flashlight button firmly.
Audible alarm is too quiet or not sounding.	Low battery or environmental noise.	Replace batteries. Test in a quieter environment.

SPECIFICATIONS

Feature	Detail
Model Number	WT3010
Voltage Range	12V-1000V AC (High Sensitivity), 48V-1000V AC (Low Sensitivity)
Safety Rating	CAT III 1000V, CAT IV 600V, CE compliant
Power Source	2 x 1.5V AAA Batteries
Indicators	Audible Buzzer, Red/Green LED, LCD Display
Special Features	Flashlight, Auto-Off, Low Power Indicator, Pen Hook
Product Dimensions	6.4 x 1.3 x 1 inches (16.26 x 3.3 x 2.54 cm)
Item Weight	0.81 Ounces (23 grams)
Color	Red

Image: The physical dimensions of the Wintact Voltage Detector Pen, showing its length of 16.7 cm (6.57 inches) and width of 2.1 cm (0.82 inches), alongside a smartphone for scale.
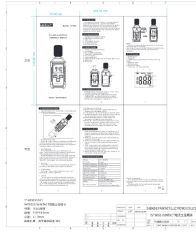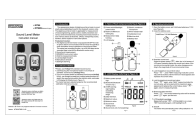
Image: The Wintact Voltage Detector Pen shown clipped to a pocket, demonstrating its portability and convenient design for accessibility.

WARRANTY AND SUPPORT

The Wintact Non-Contact AC Voltage Detector Pen comes with a 1-year warranty from the date of purchase. For any questions, technical assistance, or warranty claims, please contact our friendly 24/7 professional customer service team. Refer to the contact information provided on the product packaging or the official Wintact website.

Related Documents - WT3010

[Instrukcja Obsługi Próbnik Napięcia Wintact WT3010](#)
Szczegółowa instrukcja obsługi bezdotykowego próbnika napięcia Wintact WT3010 1000V. Zawiera informacje o funkcjach, bezpieczeństwie, obsłudze, parametrach technicznych oraz utylizacji.

[WINTACT WT9055 Digital Sound Level Meter: User Manual & Technical Specifications](#)
Detailed instruction manual for the WINTACT WT9055 digital sound level meter, covering its features, operation, technical parameters, and considerations. Includes setup, usage, and maintenance information.

[Wintact WT8821 Oxygen Detector Instruction Manual and Specifications](#)
Detailed instruction manual for the Wintact WT8821 Oxygen Detector, covering its introduction, LCD display, components, operating instructions, technical specifications, and important warnings and precautions.

[Wintact WT8812 Compound Gas Monitor Instruction Manual](#)
Instruction manual for the Wintact WT8812 Compound Gas Monitor, detailing its features, operation, specifications, and safety precautions. Includes information on setup, measurement, alarms, and calibration.

[Wintact WT85/WT85B Sound Level Meter Instruction Manual](#)
Instruction manual for the Wintact WT85 and WT85B Sound Level Meters, detailing features, operation, calibration, technical parameters, and the dB-Tester App for the Bluetooth version.

[Wintact WT8800 Oxygen Monitor Instruction Manual](#)
Comprehensive instruction manual for the Wintact WT8800 Oxygen Monitor, detailing its features, operation, specifications, calibration, and safety precautions for accurate gas detection in industrial and professional settings.