

ANENG ANENG B01 Pen Type Tool Digital

ANENG B01 Pen Type Digital Multimeter User Manual

1. INTRODUCTION

Welcome to the user manual for the ANENG B01 Pen Type Digital Multimeter. This manual provides essential information for the safe and effective operation, setup, maintenance, and troubleshooting of your new device. Please read this manual thoroughly before use to ensure optimal performance and safety.

2. SAFETY INFORMATION

To ensure safe operation and service of the meter, follow these safety guidelines:

- Always observe local and national safety codes.
- Do not exceed the maximum input values for any function.
- Use caution when working with voltages above 30V AC RMS, 42V peak, or 60V DC. These voltages pose a shock hazard.
- Before measuring current, ensure the circuit is de-energized and the meter is properly connected in series.
- Replace batteries promptly when the low battery indicator appears to ensure accurate readings.
- Do not operate the meter if it appears damaged or if the battery cover is not securely closed.
- Keep hands and fingers behind the probe barriers during measurements.

3. PRODUCT OVERVIEW

3.1 Key Features

- Measures DC/AC voltage, resistance, capacitance, frequency, diode, continuity, and NCV (Non-Contact Voltage).
- Compact pen-type design for easy portability and storage.
- Five functional buttons enable convenient one-hand operation.
- Integrated flashlight for improved visibility in dark environments.
- Large LCD display with backlight for clear reading.

3.2 Components

The ANENG B01 Pen Type Digital Multimeter is designed for ease of use and portability. It features a main body with an integrated probe, a clear LCD display, and control buttons. It also includes a removable cap for the probe tip and a battery compartment at the rear.



Image: Front and back view of the ANENG B01 Pen Type Digital Multimeter, highlighting its compact design.



Image: The complete product set, including the multimeter, test leads, alligator clip test line, carrying case, and packaging box.

4. SPECIFICATIONS

Specification	Detail
Brand	ANENG
Model Number	ANENG B01 Pen Type Tool Digital
Measurement Type	Multimeter
Display Counts	6000 Counts
Power Source	Battery Powered (2 x AAA batteries, not included)
Material	Plastic

Dimensions	202 x 51 x 33 mm
Functions Measured	DC/AC Voltage, Resistance, Capacitance, Frequency, Diode, Continuity, NCV
Manufacturer	China
UPC	630282713925

5. SETUP

5.1 Battery Installation

The ANENG B01 Multimeter requires two AAA batteries (not included) for operation.

1. Locate the battery compartment cover on the rear of the device.
2. Use a small screwdriver to open the battery compartment.
3. Insert two AAA batteries, observing the correct polarity (+ and -) as indicated inside the compartment.
4. Securely close the battery compartment cover.



Using AAA battery

(Do not include the battery)

Image: Rear view of the multimeter showing the open battery compartment and two AAA batteries.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

To power on the device, press the 'ON/OFF SELECT' button. The LCD display will illuminate. The multimeter features auto-ranging, automatically selecting the appropriate measurement range for most functions. To power off, press and hold the 'ON/OFF SELECT' button, or the device will automatically power off after a period of inactivity to conserve battery life.

One hand operation Freeing your other hand



Image: Demonstrates the multimeter's ergonomic design allowing for comfortable one-hand operation.

6.2 Measurement Functions

The ANENG B01 Multimeter offers a variety of measurement capabilities:

- **DC/AC Voltage Measurement:** Connect the integrated probe to the positive test point and the common lead (if using an external one) to the negative. Select the appropriate voltage mode (DCV or ACV) if not in auto-ranging. Read the voltage value on the display.
- **Resistance Measurement:** Ensure the circuit is de-energized. Connect the probes across the component to be measured. The display will show the resistance in Ohms (Ω), Kilo-Ohms ($k\Omega$), or Mega-Ohms ($M\Omega$).
- **Capacitance Measurement:** Ensure the capacitor is discharged before testing. Connect the probes across the capacitor terminals. The display will show the capacitance in Farads (F), microFarads (μF), or nanoFarads (nF).
- **Frequency Measurement:** Connect the probes to the signal source. The display will show the frequency in Hertz (Hz) or KiloHertz (kHz).
- **Diode Test:** Connect the probes across the diode. The display will show the forward voltage drop for a good diode. 'OL' indicates an open circuit or reverse bias.
- **Continuity Test:** Connect the probes across the circuit or component. A low resistance (typically below 50Ω) will trigger an audible beep, indicating continuity.

- **NCV (Non-Contact Voltage) Detection:** Hold the tip of the multimeter near an AC voltage source without direct contact. The device will indicate the presence of AC voltage through an audible alarm and/or visual indicator.

MULTIMETER

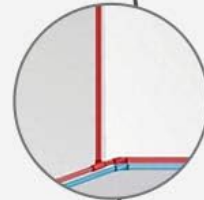
*Detection of
electrical appliances*



*Distinguish the fire
line zero line ground*



*Detection of
exposed wires*



Detection voltage



Image: Visual representation of the multimeter's functions, including detection of electrical appliances, exposed wires, voltage, and distinguishing live/neutral lines.



Image: The multimeter displayed alongside different types of test leads and probes for versatile applications.

6.3 Flashlight Function

The ANENG B01 includes a built-in flashlight to assist in dimly lit work environments. To activate the flashlight, press the dedicated flashlight button (often integrated with the HOLD/* button). Press it again to turn off the flashlight.

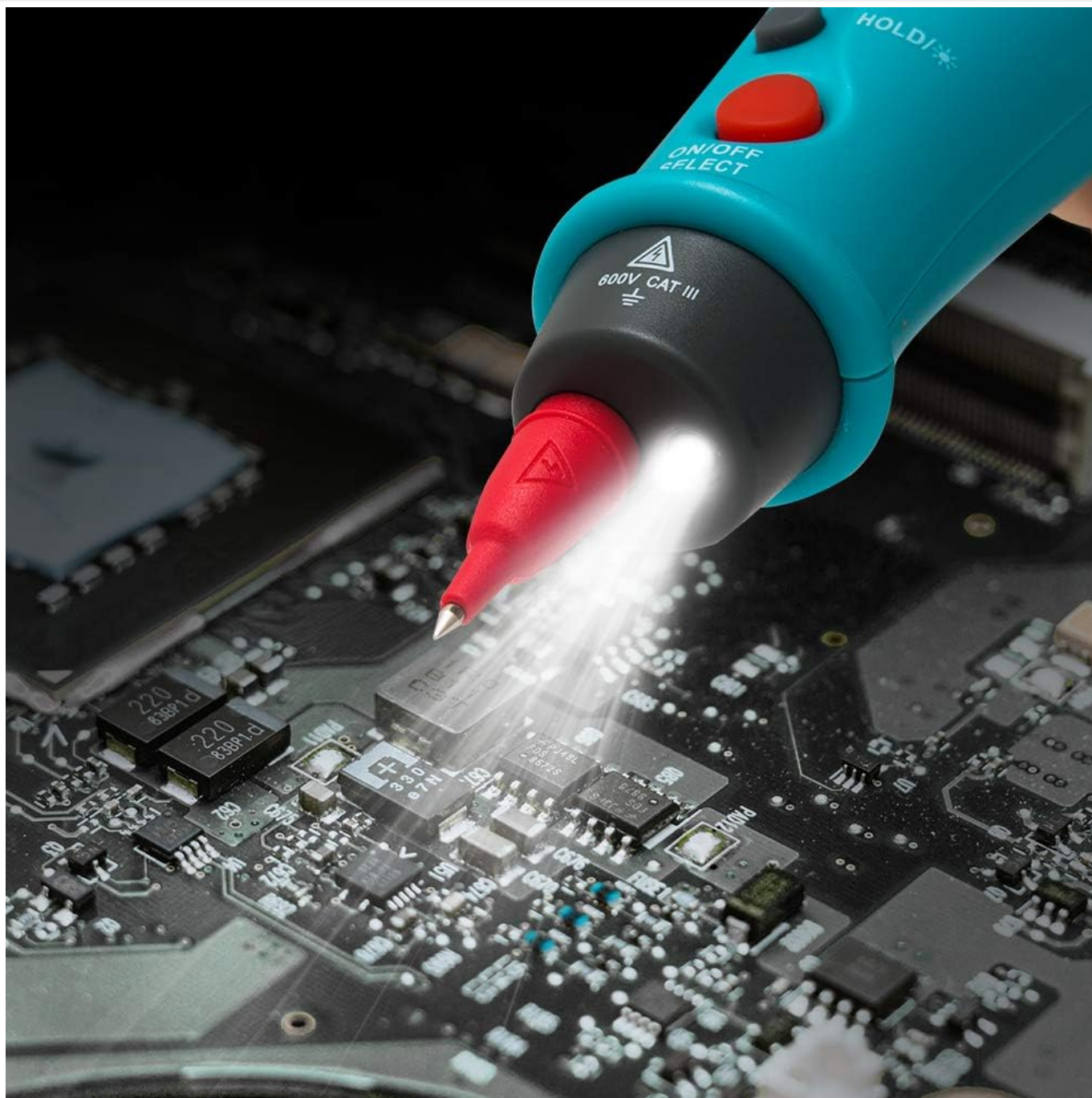


Image: The multimeter's integrated flashlight function in use, providing illumination on a circuit board.



Image: The multimeter in an application scenario, testing wiring connections within a car engine compartment.

7. MAINTENANCE

- **Cleaning:** Wipe the device with a damp cloth and mild detergent. Do not use abrasive cleaners or solvents.
- **Storage:** Store the multimeter in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace batteries as soon as the low battery indicator appears to maintain measurement accuracy and ensure proper device function.

8. TROUBLESHOOTING

Issue	Possible Cause / Solution
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Device does not power on.	Check battery installation and polarity. Replace batteries if depleted.
Inaccurate readings.	Ensure probes are making good contact. Check battery level. Verify correct function selection.
Display shows 'OL' (Overload).	The measured value exceeds the current range. This might indicate an open circuit or a value beyond the meter's maximum capability.
No continuity beep.	Ensure the circuit is complete and resistance is below the continuity threshold (typically 50Ω).

9. WARRANTY AND SUPPORT

This product is typically covered by a manufacturer's warranty. Please refer to your purchase documentation or contact the seller for specific warranty terms and support. Extended protection plans may also be available for purchase through your retailer.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question