

Manuals.plus /

> RIMADMIADIND /

> Aneng PN130 Intelligent Digital Clamp Meter User Manual

RIMADMIADIND PN130

Aneng PN130 Intelligent Digital Clamp Meter User Manual

Model: PN130 | Brand: RIMADMIADIND

1. INTRODUCTION

The Aneng PN130 Intelligent Digital Clamp Meter is a versatile and reliable instrument designed for accurate measurement of AC/DC voltage, AC/DC current, resistance, capacitance, frequency, and continuity. Its intelligent features and portable design make it an essential tool for electricians, technicians, and DIY enthusiasts.

This manual provides detailed instructions for the safe and effective use of your PN130 clamp meter. Please read it thoroughly before operation and keep it for future reference.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent personal injury or damage to the meter:

- Do not exceed the maximum input limits specified for each measurement range.
- Exercise extreme caution when working with live circuits. High voltages can be dangerous.
- Ensure the test leads are in good condition and properly connected before making measurements.
- Do not use the meter if it appears damaged or if the case is open.
- Always turn off power to the circuit and discharge all high-voltage capacitors before measuring resistance, continuity, or capacitance.
- Keep fingers behind the finger guards on the test leads during measurements.
- Replace batteries promptly when the low battery indicator appears to ensure accurate readings.

3. PRODUCT FEATURES

The Aneng PN130 Intelligent Digital Clamp Meter boasts several key features:

- High Quality Electronics Components:** Constructed with durable, top-of-the-line electronic components for reliable and long-lasting performance.
- Easy to Install and Use:** Designed for user-friendliness with clear instructions and simple operation.
- Versatile Applications:** Suitable for a wide range of applications including industrial, automotive, and household.

electronics.

- **4000 Counts Display:** Provides high-resolution readings for precise measurements.
- **AC/DC Voltage and Current Measurement:** Capable of measuring both alternating and direct current/voltage.
- **Resistance and Capacitance Testing:** Essential functions for circuit analysis and component testing.
- **Auto Power Off:** Conserves battery life by automatically shutting down after a period of inactivity.



Figure 3.1: Front view of the Aneng PN130 Intelligent Digital Clamp Meter, showing the display, clamp jaw, function buttons, and input terminals.

4. SETUP

4.1. Battery Installation

The Aneng PN130 requires [insert battery type, e.g., AAA batteries] for operation. To install or replace batteries:

1. Ensure the meter is turned off and no test leads are connected.
2. Locate the battery compartment cover on the rear of the meter.

3. Use a screwdriver to open the battery compartment.
4. Insert the batteries, observing the correct polarity (+ and -).
5. Replace the battery compartment cover and secure it with the screw.

4.2. Initial Inspection

Before first use, inspect the meter and test leads for any signs of damage. Do not use the device if any damage is observed.

5. OPERATING INSTRUCTIONS

This section outlines the basic operation for common measurements.

5.1. Turning On/Off

Press the **POWER** button to turn the meter on. The meter will automatically enter auto-ranging mode. To turn off, press and hold the **POWER** button, or allow the auto power-off feature to activate after a period of inactivity.

5.2. AC/DC Voltage Measurement

1. Insert the red test lead into the "VΩmA" input jack and the black test lead into the "COM" input jack.
2. Rotate the function dial to the Voltage (V) setting. The meter will automatically detect AC or DC voltage.
3. Connect the test leads in parallel to the circuit or component you wish to measure.
4. Read the voltage value on the display.

5.3. AC/DC Current Measurement (Clamp)

1. Rotate the function dial to the Current (A) setting.
2. Open the clamp jaw by pressing the trigger.
3. Enclose only one conductor of the circuit within the clamp jaw. Ensure the jaw is fully closed.
4. Read the current value on the display. For DC current, use the "Zero" button to clear any offset before measurement.

5.4. Resistance Measurement

1. Insert the red test lead into the "VΩmA" input jack and the black test lead into the "COM" input jack.
2. Rotate the function dial to the Resistance (Ω) setting.
3. Ensure the circuit or component is de-energized before connecting the test leads across the component.
4. Read the resistance value on the display.

5.5. Capacitance Measurement

1. Insert the red test lead into the "VΩmA" input jack and the black test lead into the "COM" input jack.
2. Rotate the function dial to the Capacitance (F) setting.
3. Ensure the capacitor is fully discharged before connecting the test leads across its terminals.
4. Read the capacitance value on the display.

6. MAINTENANCE

6.1. Cleaning

Wipe the meter's case with a damp cloth and mild detergent. Do not use abrasives or solvents. Keep the input terminals free of dirt and moisture.

6.2. Battery Replacement

Refer to Section 4.1 for instructions on battery replacement. Always use the specified battery type.

6.3. Storage

If the meter is not used for an extended period, remove the batteries to prevent leakage. Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Meter does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity or replace batteries.
No reading or "OL" displayed.	Open circuit, out of range, or incorrect function selected.	Check circuit continuity, select appropriate range, or ensure proper connection.
Inaccurate readings.	Low battery, dirty test leads, or external interference.	Replace batteries, clean test leads, or move away from strong electromagnetic fields.

8. SPECIFICATIONS

Parameter	Value
Model	PN130
Display	4000 Counts Digital Display
Manufacturer	RIMADMIADIND
ASIN	B0F38SH5CV
Date First Available	April 1, 2025
Measurement Functions	AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Continuity



Figure 8.1: Example of high-quality electronic components, similar to those used in the PN130 meter.

9. WARRANTY AND SUPPORT

RIMADMIADIND is committed to providing high-quality products. This product comes with a money-back guarantee, reflecting our confidence in its quality and performance.

For any questions, concerns, or technical support, please contact our customer service team. We are ready to assist you to ensure the best experience with your Aneng PN130 Intelligent Digital Clamp Meter.

For further assistance, please refer to the product page on Amazon:<https://www.amazon.com/dp/B0F38SH5CV>

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

Open the live page

<https://manuals.plus/asin/B0F38SH5CV>

More documents and user manuals: <https://manuals.plus/>