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ELIKE 3266TA

ELIKE 3266TA Digital Clamp Meter User Manual

Model: 3266TA

1. Introduction

The ELIKE 3266TA is a versatile digital clamp meter designed for accurate electrical measurements. It features True RMS for precise readings on non-linear loads, Non-Contact Voltage (NCV) detection for enhanced safety, and auto-ranging capabilities for ease of use. This manual provides detailed instructions for safe and effective operation of your device.



Figure 1.1: ELIKE 3266TA Digital Clamp Meter with included accessories.

2. Safety Information

Always adhere to safety precautions when using electrical testing equipment. This device complies with safety standard IEC

61010-1, CAT III 600V, and features double insulation for user protection.

- Do not attempt to measure voltages or currents exceeding the specified maximum limits.
- Ensure test leads are properly connected and in good condition before use.
- Avoid contact with live circuits. Always assume circuits are live until verified otherwise.
- Do not operate the meter if it appears damaged or if the battery cover is not securely closed.
- Use caution when working with voltages above 60V DC or 30V AC RMS, as these pose a shock hazard.

3. Product Features

- **True RMS Measurement:** Accurately measures AC/DC voltage, AC current, resistance, and diode for non-linear loads.
- **NCV Detection Function:** Non-contact voltage detector senses AC voltage and flashes without physical contact, enhancing safety.
- **Continuity Test:** Confirms circuit conductivity with an audible alert.
- **Overload Protection:** Designed to prevent damage from excessive input. Displays "OL" on the LCD for overload conditions.
- **Auto-ranging:** Automatically selects the appropriate measurement range.
- **High Resolution LCD:** Large backlit screen for improved visibility in various lighting conditions.
- **Integrated Flashlight:** Assists in measurements in dimly lit areas.
- **Low Battery Indication:** Alerts when batteries need replacement.

4. Package Contents

Verify that all items are present upon unboxing:

- ELIKE 3266TA Digital Clamp Meter
- Test Leads (Red and Black)
- AAA Batteries (2 included)
- Carrying Case
- User Manual



Figure 4.1: Complete package contents of the ELIKE 3266TA.

5. Setup

5.1 Battery Installation

1. Ensure the meter is turned OFF.
2. Locate the battery compartment on the back of the meter.
3. Open the compartment and insert the two AAA batteries, observing correct polarity (+/-).
4. Close the battery compartment securely.

5.2 Test Lead Connection

For voltage, resistance, diode, and continuity measurements, connect the test leads:

- Insert the **red** test lead into the **V/Ω** input jack.
- Insert the **black** test lead into the **COM** (common) input jack.



Figure 5.1: Proper test lead connection for voltage measurements.

6. Operating Instructions

6.1 Mode Selection

Rotate the central dial to select the desired measurement function. The meter is auto-ranging in most modes.

6.2 AC/DC Voltage Measurement

1. Set the rotary dial to the **V~** (AC Voltage) or **V-** (DC Voltage) position.
2. Connect the test leads in parallel to the circuit or component under test.
3. Read the voltage value on the LCD display.

6.3 AC Current Measurement (Clamp)

Use the clamp jaw for non-contact AC current measurement.

1. Set the rotary dial to the **600A~** or **2/20A~** position.
2. Open the clamp jaw and enclose only one conductor of the circuit. Do not clamp around multiple conductors.
3. Read the AC current value on the LCD display.



Figure 6.1: Correct usage of the clamp function for current measurement.

6.4 Resistance Measurement

1. Set the rotary dial to the **Ω** (Resistance) position.
2. Ensure the circuit is de-energized before measuring resistance.
3. Connect the test leads across the component to be measured.
4. Read the resistance value on the LCD display.

6.5 Diode Test

1. Set the rotary dial to the **Diode** symbol position.
2. Connect the red test lead to the anode and the black test lead to the cathode of the diode.

3. The display will show the forward voltage drop. Reverse the leads; the display should show "OL" for a good diode.

6.6 Continuity Test

1. Set the rotary dial to the **Continuity** symbol position.
2. Connect the test leads across the circuit or component.
3. An audible beep indicates continuity (low resistance).



Figure 6.2: Continuity test with audible indication.

6.7 NCV (Non-Contact Voltage) Detection

This feature allows for safe detection of AC voltage without direct contact.

1. Set the rotary dial to the **NCV** position.
2. Bring the top part of the meter (NCV sensor) close to the conductor or outlet.
3. If AC voltage is detected, the NCV indicator light will flash, and an audible alarm will sound.



Figure 6.3: NCV function detecting voltage from an outlet.

7. Maintenance

7.1 Cleaning

Wipe the meter with a damp cloth and mild detergent. Do not use abrasives or solvents.

7.2 Battery Replacement

When the low battery indicator appears on the display, replace the batteries as described in Section 5.1. Remove batteries if the meter will not be used for an extended period to prevent leakage.

8. Troubleshooting

- **Meter does not power on:** Check battery installation and ensure batteries are not depleted.
- **"OL" displayed:** Indicates an overload condition or an open circuit (e.g., in resistance mode). Ensure the measurement

range is appropriate or the circuit is complete.

- **Inaccurate readings:** Verify correct mode selection, proper test lead connection, and ensure the circuit is within the meter's specified range.

9. Specifications

Parameter	Value
Brand	ELIKE
Model Number	3266TA
Power Source	2 AAA batteries
Measurement Type	Multimeter (Clamp)
Safety Standard	IEC 61010-1, CAT III 600V
Item Weight	7.1 ounces (200 Grams)
Dimensions (L*W*H)	7 inch x 2.5 inch x 1.1 inch
Features	True RMS, NCV, Auto-ranging, Backlit LCD, Flashlight

10. Warranty and Support

The ELIKE 3266TA Digital Clamp Meter comes with a **12-month product warranty** from the date of purchase. For warranty claims or technical support, please contact ELIKE customer service through your retailer or the official ELIKE website.

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