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> Vikye AC Voltage Current Frequency Meter (Model Vikye3w79zo48ex-15) Instruction Manual

Vikye Vikye3w79zo48ex-15

Vikye AC Voltage Current Frequency Meter Instruction Manual

Model: Vikye3w79zo48ex-15

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your Vikye AC Voltage Current Frequency Meter, Model Vikye3w79zo48ex-15. This device is designed to accurately measure AC voltage, current, and frequency in single-phase AC systems. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. SAFETY INFORMATION

Warning: Electrical shock hazard. Installation and servicing should only be performed by qualified personnel.

- Always disconnect power before installing or servicing the meter.
- Do not operate the meter in wet or damp conditions.
- Ensure all connections are secure and properly insulated.
- Verify the voltage and current ratings of the meter are suitable for your application.
- Keep children away from electrical installations.

3. PRODUCT FEATURES

- **Multifunctional Measurement:** Simultaneously displays AC voltage, current, and frequency.
- **Clear Digital Display:** Features a large square LED 3-digit display for easy readability.
- **Integrated Current Transformer:** Includes a separate current transformer (CT) for non-invasive current measurement.
- **Compact Design:** Small form factor for convenient installation and portability.
- **Wide Measurement Range:** Suitable for single-phase AC systems with voltage from 60V to 500V and current from 0-100A.

Square LED digital display

AC voltage current hertz 3-in-1 meter



Figure 3.1: Vikye AC Voltage Current Frequency Meter with its external current transformer.

4. SPECIFICATIONS

Parameter	Value
Voltage Measurement Range	AC 60V - 500V
Current Measurement Range	AC 0A - 100A
Frequency Measurement Range	20 Hz - 75 Hz
Display Type	3-digit LED
Ambient Operating Temperature	0°C - 50°C
Measurement Type	Ammeter, Voltmeter, Frequency Meter

Parameter	Value
Power Source	Corded Electric
Item Weight	0.04 Kilograms

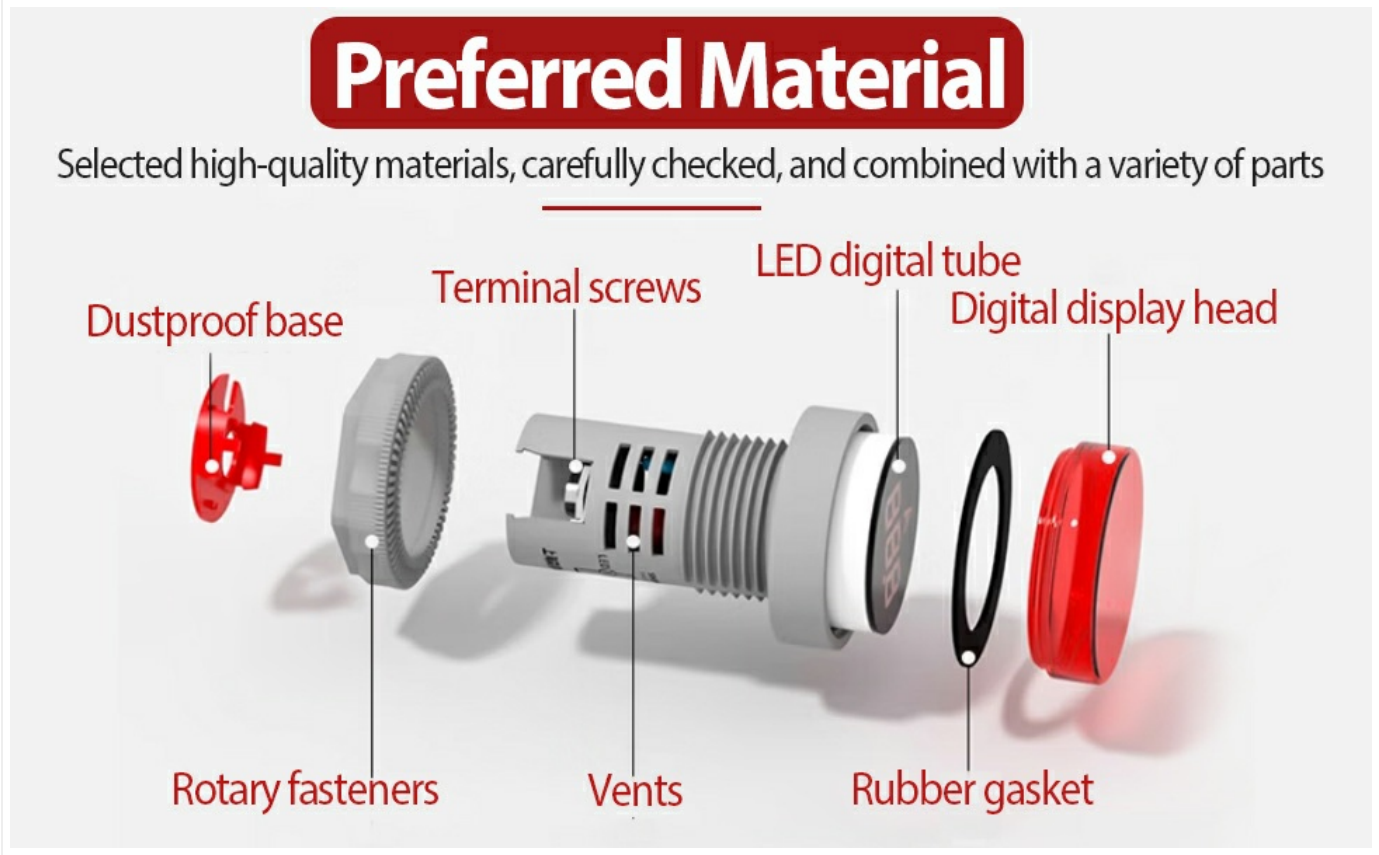


Figure 4.1: Exploded view showing the meter's components including the LED digital tube, rubber gasket, and terminal screws.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the AC Voltage Current Frequency Meter:

1. **Power Disconnection:** Ensure the main power supply to the circuit where the meter will be installed is completely disconnected.
2. **Mounting:** Install the meter into a suitable panel cutout. Secure it using the rotary fasteners provided.
3. **Voltage Connection:** Connect the two small wires (typically red and black) from the meter to the AC voltage source you wish to measure. These terminals are typically marked for voltage input. The neutral and live wires are interchangeable for this connection.
4. **Current Transformer (CT) Connection:** The meter comes with a separate current transformer (CT). Connect the two wires from the CT to the dedicated current input terminals on the meter.
5. **Load Wire Routing:** Pass **only one** of the load wires (either the live or the neutral, but not both) through the center hole of the current transformer. Ensure the wire passes cleanly through the CT without any kinks or damage.
6. **Power Restoration:** Once all connections are secure and verified, restore power to the circuit. The meter should power on and display readings.

Product Wiring

Save time and effort, simple and convenient

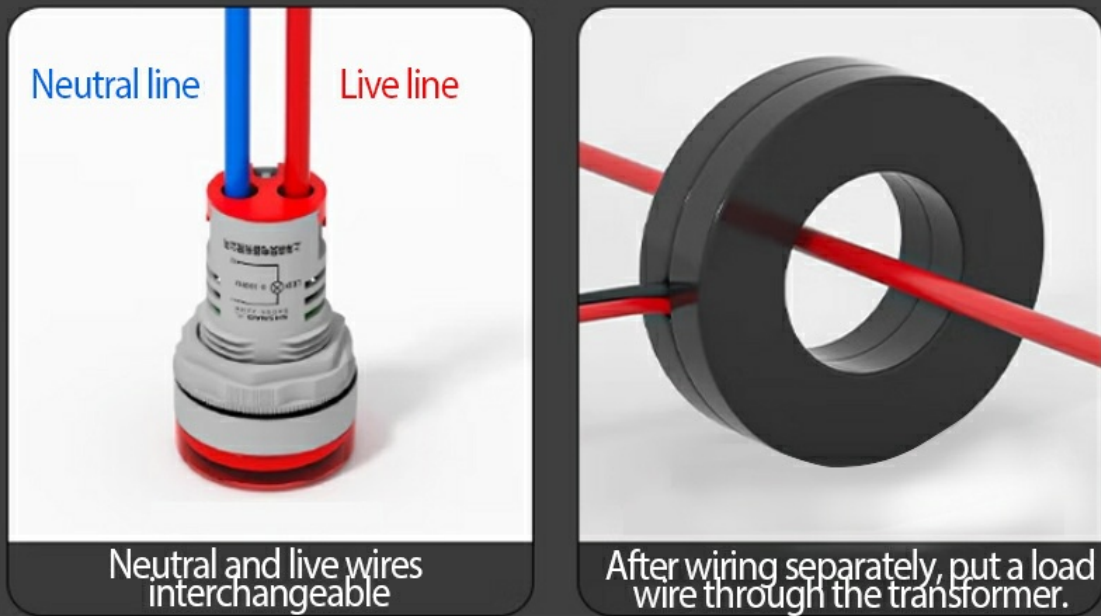


Figure 5.1: Wiring diagram illustrating voltage input and load wire routing through the current transformer.

6. OPERATION

Once properly installed and powered, the Vikye AC Voltage Current Frequency Meter operates automatically:

- The LED display will illuminate, showing the measured values.
- The top line typically displays voltage (V).
- The middle line displays current (A).
- The bottom line displays frequency (Hz).
- Readings are updated continuously, providing real-time monitoring of your AC circuit.

7. MAINTENANCE

The Vikye AC Voltage Current Frequency Meter requires minimal maintenance:

- **Cleaning:** Use a soft, dry cloth to clean the display and exterior of the meter. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring connections to ensure they remain secure and free from corrosion or damage.
- **Storage:** If storing the meter for an extended period, ensure it is kept in a dry, dust-free environment within the specified ambient temperature range.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Meter does not power on / No display	No power to the meter; Incorrect voltage connection.	Check power supply. Ensure voltage input wires are correctly connected to an active AC source (60-500V).
Current reading is 0A or incorrect	Load wire not passed through CT; Multiple wires passed through CT; Faulty CT connection.	Ensure only one load wire passes through the CT. Verify CT wires are securely connected to the meter.
Inaccurate readings	Meter operating outside specified temperature range; Electrical interference.	Ensure ambient temperature is within 0-50°C. Relocate meter away from strong electromagnetic fields if possible.

9. WARRANTY AND SUPPORT

Vikye products are manufactured to high-quality standards. This product is guaranteed to be 100% brand new. If you encounter any issues or have questions regarding the use, installation, or performance of your Vikye AC Voltage Current Frequency Meter, please do not hesitate to contact our customer support. We are committed to providing a pleasant and relaxing shopping experience and will assist you with any inquiries.

For support, please refer to the contact information provided with your purchase or visit the official Vikye website.

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

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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

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