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ZIBOO ZB07

ZIBOO ZB07 0.7mm Wire Piercing Test Probe Instruction Manual

Model: ZB07 | Brand: ZIBOO

INTRODUCTION

The ZIBOO ZB07 0.7mm Wire Piercing Test Probes are designed for non-destructive electrical testing. These probes allow for contact testing of electrical wires without requiring the removal of insulation, thereby protecting the wire during the testing process. They are suitable for various applications, including automotive diagnostics and general electrical circuit testing, and are compatible with standard 4mm banana plug test leads.

SAFETY INFORMATION

Always observe the following safety precautions when using electrical test equipment:

- Ensure the probes are in good condition before each use. Do not use if damaged.
- Always connect the test leads to the multimeter or testing device before connecting the probes to the circuit under test.
- Do not exceed the maximum voltage rating of 30V.
- Wear appropriate personal protective equipment, such as safety glasses.
- Avoid touching the metal tip of the probe when connected to a live circuit.
- Use caution when working near moving parts or high-temperature components.

PACKAGE CONTENTS

The ZIBOO ZB07 package includes the following items:

- 4 x 0.7mm Wire Piercing Test Probes (Black, Yellow, Green, Red)
- 4 x Piercing Test Hook Covers (White)



Image: Contents of the ZIBOO ZB07 package, showing the four color-coded probes and their protective hook covers.

PRODUCT FEATURES

- **Adjustable Twist Lock:** The probes feature a twist-lock mechanism that secures the probe onto the wire, allowing for hands-free operation during testing.
- **High-Quality Materials:** Constructed from stainless steel for the piercing needle and PA nylon for the body, ensuring durability, sensitivity, and accuracy.
- **Probe Tip Replacement:** Each probe is equipped with a piercing test hook cover, which can be used for reverse detection on wiring harness connectors and sensor wiring.
- **4mm Banana Jack Connector:** The rear of each probe features a standard 4mm banana socket, compatible with all standard 4mm banana plug test leads.
- **Non-Destructive Testing:** Designed to pierce wire insulation without cutting or stripping, preserving the integrity of the wire.

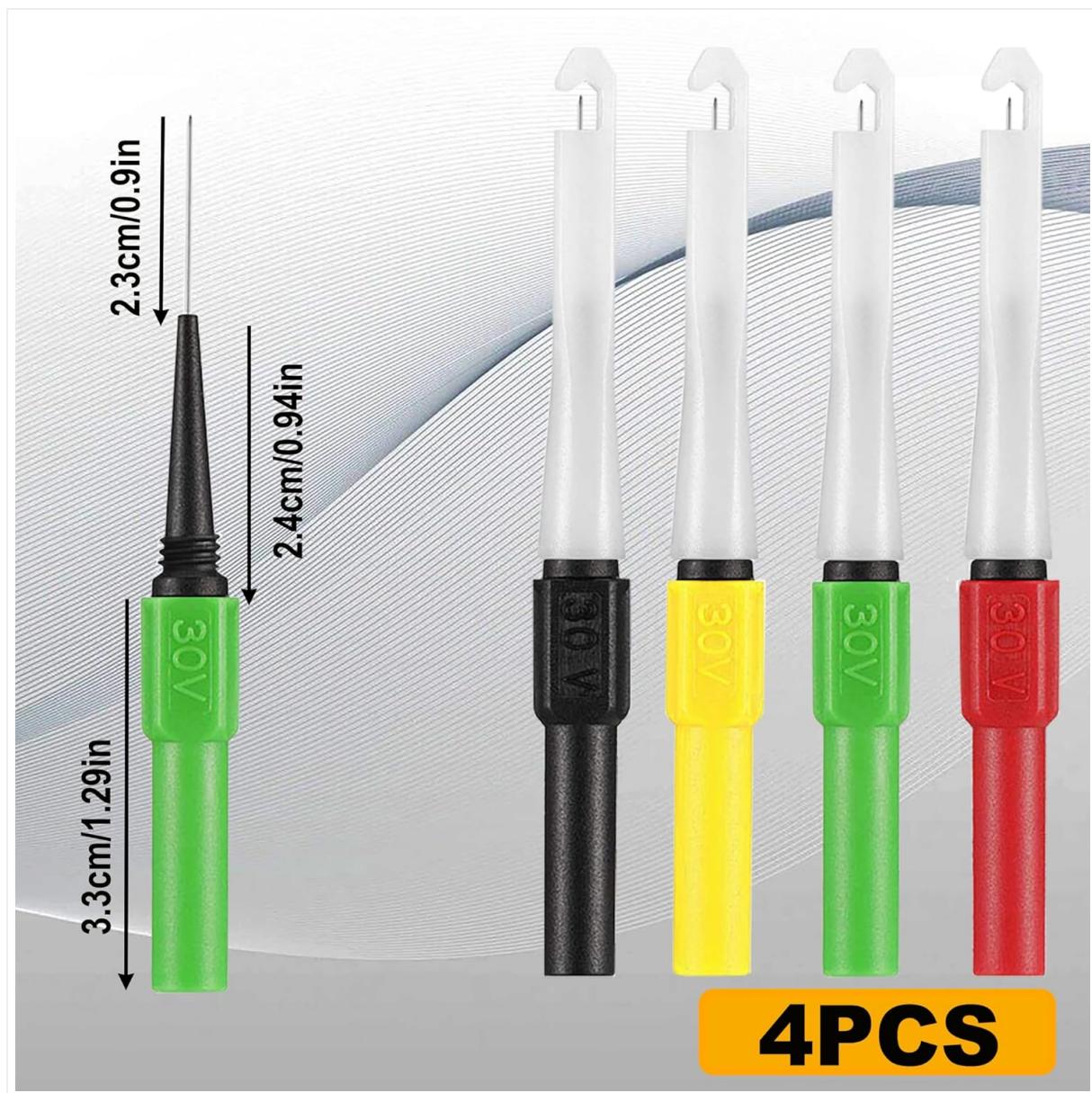


Image: Dimensional overview of the ZIBOO ZB07 probes.

SETUP

To prepare the ZIBOO ZB07 probes for use:

1. Select the appropriate test lead with a 4mm banana plug.
2. Insert the 4mm banana plug of your test lead into the banana socket at the rear of the ZB07 probe. Ensure a secure connection.
3. Connect the other end of your test lead to your multimeter or testing device.
4. If using the piercing test hook cover, slide it over the probe tip until it clicks into place.



Image: Detail of the 4mm banana jack connection on the ZIBOO ZB07 probes.

OPERATING INSTRUCTIONS

Follow these steps for effective and safe use of the ZIBOO ZB07 probes:

- 1. Identify Target Wire:** Locate the insulated wire you intend to test. Ensure its diameter is less than 4mm.
- 2. Position the Probe:** Place the sharp needle tip of the ZB07 probe against the insulation of the target wire.
- 3. Pierce the Insulation:** Gently twist the probe to engage the twist-lock function. This will cause the needle to pierce the insulation and make contact with the conductor. The twist-lock holds the probe in place, freeing your hands.
- 4. Perform Measurement:** Once the probe is securely attached and making contact, use your connected multimeter or testing device to take the desired measurement.
- 5. Remove Probe:** After testing, carefully untwist the probe to release the needle from the wire. Inspect the wire for any damage.

Details



**Banana plug
diameter of 4mm**



Image: Probe in use for automotive circuit detection.



Electronic Probe Repair Test for Car circuit Detection

Image: Probes used for testing on a circuit board.

Using Piercing Test Hook Covers: The white hook covers can be attached to the probe tips. These are useful for back-probing connectors or accessing test points where a direct piercing might not be feasible or desired, providing a secure, non-piercing connection.

4 Pcs:Mini Back Probes/Wire Piercers

The probes work with most Test Lead Kits in the field - with a standard 4mm banana plug test lead connection ,Test probes are 21 mm in length

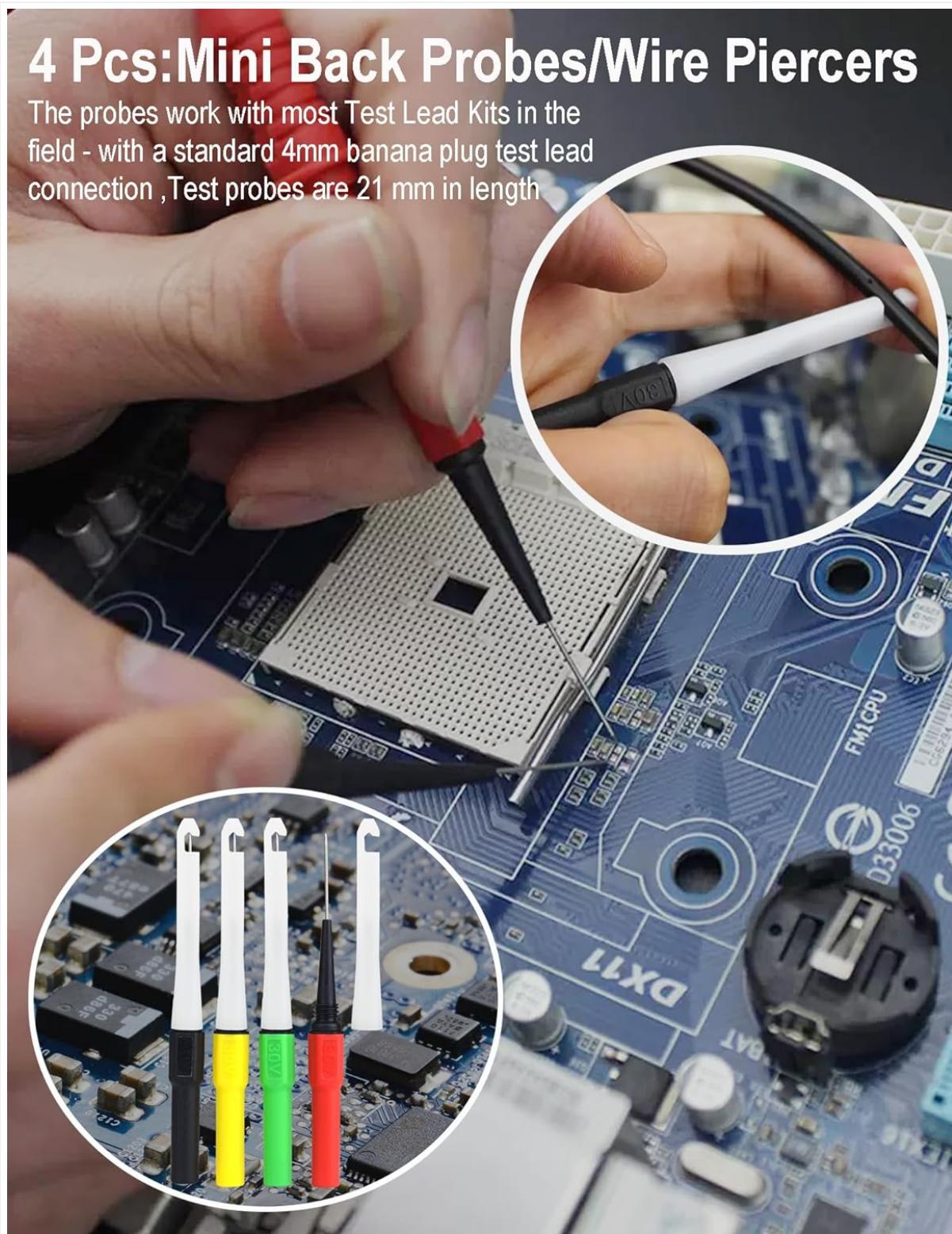


Image: ZIBOO ZB07 probes with piercing test hook covers installed.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your ZIBOO ZB07 probes:

- **Cleaning:** After each use, wipe the probes with a clean, dry cloth to remove any dirt, grease, or residue. Avoid using harsh chemicals or abrasive materials.
- **Inspection:** Regularly inspect the needle tip for sharpness and straightness. Check the probe body and banana socket for any signs of damage or wear.
- **Storage:** Store the probes in a dry, clean environment, away from direct sunlight and extreme temperatures. Keep the protective caps on the needle tips when not in use to prevent accidental injury and damage to the tips.

TROUBLESHOOTING

If you encounter issues while using your ZIBOO ZB07 probes, consider the following:

- **Poor Connection/Inaccurate Readings:**

- Ensure the banana plug is fully inserted into the probe's socket.
- Verify the probe needle has successfully pierced the insulation and is making solid contact with the conductor.
- Check the test leads and multimeter for proper function.

- **Difficulty Piercing Wire:**

- Confirm the wire diameter is within the specified limit (less than 4mm).
- Ensure the needle tip is not bent or dull. Replace if necessary.
- Apply firm, steady pressure while twisting to engage the piercing mechanism.

- **Probe Body Loosening:**

- Avoid excessive force when twisting the probe, as this can strip internal threads.
- If the body feels loose, inspect for damage and discontinue use if structural integrity is compromised.

SPECIFICATIONS

Feature	Specification
Model Number	ZB07
Needle Diameter	0.7mm
Maximum Voltage	30V
Connector Type	4mm Banana Jack
Compatible Wire Diameter	Less than 4mm
Materials	Stainless Steel (needle), PA Nylon (body)
Package Dimensions	6.42 x 3.9 x 0.35 inches
Item Weight	0.32 ounces

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your ZIBOO ZB07 Wire Piercing Test Probes, please refer to the contact information provided with your purchase or visit the official ZIBOO website. Keep your purchase receipt for warranty claims.

Related Documents - ZB07

	<p><u>User Manual: Earth Clamp Tester (Model UT278A)</u></p> <p>Comprehensive user manual for the ZIBOO Earth Clamp Tester, detailing safety precautions, technical specifications, operation methods, and field applications for measuring grounding resistance. Includes instructions for multi-point, limited-point, and single-point grounding systems.</p>
	<p><u>ZIBOO DC Resistance Tester UT620C User Manual</u></p> <p>User manual for the ZIBOO DC Resistance Tester (Model UT620C), detailing safety precautions, technical specifications, operation, and accessories for measuring low DC resistance.</p>
	<p><u>Catálogo de Controles Remotos KEYDIY y VVDI - Servillaves Páez</u></p> <p>Descubra el amplio catálogo de controles remotos para automóviles de KEYDIY y VVDI ofrecido por Servillaves Páez. Encuentre modelos para diversas marcas como BMW, Chevrolet, Ford, Honda, Hyundai, Kia, Mazda, Peugeot, Toyota, Volkswagen y universales, con sus respectivos códigos y precios.</p>