

## KATOOL KT-B750

# KATOOL KT-B750 Automatic Wheel Balancer Instruction Manual

Model: KT-B750

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your KATOOL KT-B750 Automatic Wheel Balancer. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent potential hazards. Keep this manual accessible for future reference.



Figure 1: KATOOL KT-B750 Automatic Wheel Balancer with a wheel ready for balancing.

## 2. SAFETY INFORMATION

Always prioritize safety when operating any machinery. Failure to follow safety instructions can result in serious injury or equipment damage.

### 2.1 General Safety

- Read and understand all instructions in this manual before operation.
- Only trained and authorized personnel should operate this equipment.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.

- Keep bystanders, especially children, away from the operating machine.
- Do not operate the balancer if any parts are damaged or missing.

## 2.2 Electrical Safety

- Connect the machine only to a grounded power outlet with the specified voltage (120V 1PH).
- Do not operate the machine with wet hands or in damp conditions.
- Inspect power cords regularly for damage. Replace damaged cords immediately.
- Disconnect power before performing any maintenance or repairs.

## 2.3 Operational Safety

- Ensure the wheel is securely mounted on the balancer shaft before starting operation.
- Do not exceed the maximum wheel weight capacity of 65 KG.
- Always use the wheel guard (if equipped or optional) during balancing cycles.
- Keep hands and loose clothing away from rotating parts.

# 3. UNPACKING AND ASSEMBLY

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## 3.1 Unpacking

Carefully unpack all components from the shipping container. Inspect for any damage that may have occurred during transit. Report any damage to your supplier immediately.

## 3.2 Contents

The KATOOL KT-B750 Wheel Balancer package typically includes:

- KATOOL KT-B750 Car Wheel Balancer Unit
- Mounting accessories (cones, quick-release nut, etc.)
- Calibration weight
- Instruction Manual

**15 Months All Parts Warranty**



*Figure 2: KATOOL KT-B750 Wheel Balancer and included accessories.*

### 3.3 Assembly

Follow the detailed assembly instructions provided in the separate assembly guide (if applicable) or refer to the diagrams for connecting the main unit to its base and attaching any peripheral components. Ensure all fasteners are securely tightened.

## 4. PRODUCT OVERVIEW AND FEATURES

The KATOOL KT-B750 is an automatic wheel balancer designed for precision tire balancing in home garages and professional shops. It incorporates advanced features for accuracy and ease of use.

### 4.1 Key Features

- **Automatic Measurement Ruler:** Automatically inputs 'A' (distance) and 'D' (diameter) values for efficient setup.
- **Robust Construction:** Features a 3mm thick steel body with solid welding for high strength and minimal vibration.
- **High-Precision Sensor System:** All-in-one pressure sensor support design with 8mm thick bottom and side boards ensures stable and accurate measurements.

- **Durable Motor:** Equipped with a top-level, pure copper winding motor for increased power, fast heat dissipation, and extended lifespan.
- **Strong Shaft:** The  $\phi 36$ mm shaft thread undergoes quenching treatment for high strength and durability, accommodating wider wheels.
- **Advanced Computer Board:** Utilizes advanced welding technology, offering moisture-proof, dust-proof, and anti-static properties for longer life.
- **Multiple Balance Modes:** Supports various balancing modes to suit different rim types, enhancing balancing precision.
- **Built-in Diagnostics and Calibration:** Includes fault diagnosis and a self-calibration program with double-side calibration, eliminating the need for memory parameters.
- **Unit Selection:** Allows selection between Ounce/Gram and MM/Inch units.

## 5. SPECIFICATIONS

Parameter	Value
Model	KT-B750
Rim Diameter	<30 inches
Wheel Width	3 - 12 inches
Wheel Diameter	<880 mm
Balancing Speed	180 rpm
Power Supply	120V 1PH
Motor Power	0.25 KW
Rim Center Hole Diameter	<135 mm
Maximum Wheel Weight	<65 KG
Balancing Accuracy	$\pm 1$ g
Measuring Time	7 seconds
Manufacturer	KATOOL
Date First Available	April 24, 2024

## 6. SETUP

### 6.1 Placement

Position the wheel balancer on a level, stable surface capable of supporting the machine's weight and the maximum wheel weight. Ensure adequate space around the machine for safe operation and movement of wheels.

## 6.2 Power Connection

Connect the power cord to a dedicated 120V 1PH grounded electrical outlet. Verify that the power supply matches the machine's requirements to prevent electrical damage.

## 7. OPERATING INSTRUCTIONS

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### 7.1 Powering On

Turn on the main power switch, usually located on the side or rear of the machine. The display panel should illuminate, indicating the machine is ready for operation.

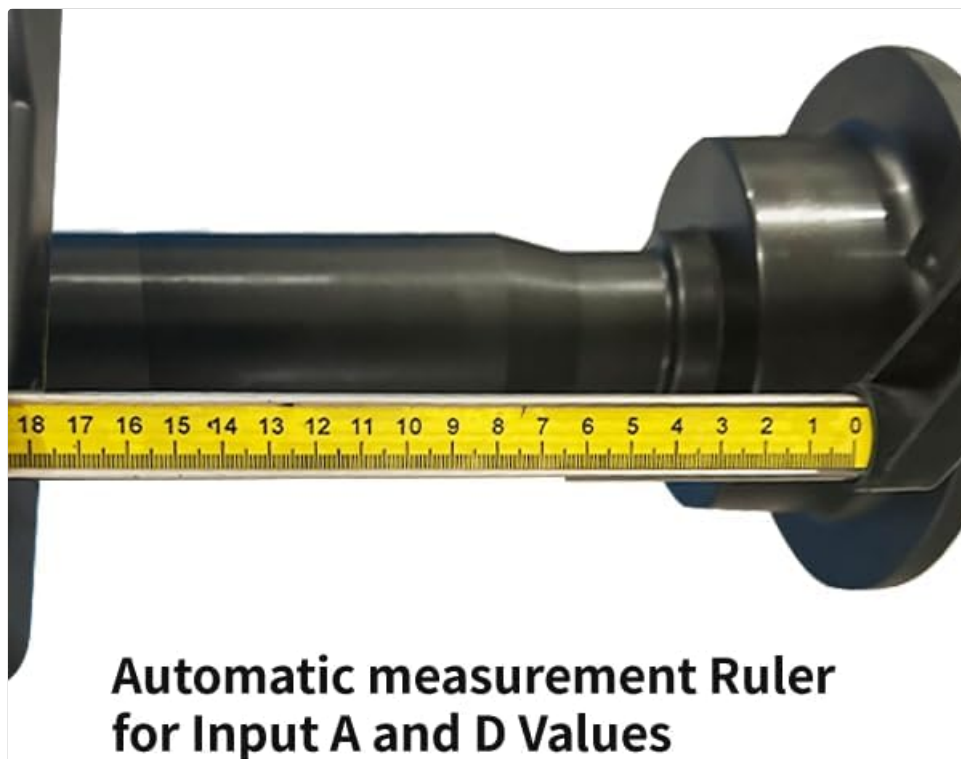
### 7.2 Mounting the Wheel

1. Select the appropriate mounting cone for the wheel's center bore.
2. Slide the wheel onto the balancer shaft, ensuring it sits flush against the mounting flange.
3. Secure the wheel with the quick-release nut, tightening it firmly but without excessive force.

### 7.3 Automatic Measurement

The KT-B750 features an automatic measurement ruler for inputting 'A' (distance from machine to rim) and 'D' (rim diameter) values.

1. Extend the automatic measurement ruler until it touches the inner edge of the wheel rim.
2. The machine will automatically detect and input the 'A' and 'D' values. Confirm these values on the display.



*Figure 3: Using the automatic measurement ruler to input 'A' and 'D' values.*

### 7.4 Inputting Wheel Width ('B' Value)

Manually input the wheel width ('B' value) using the control panel. Refer to the wheel's specifications or measure it directly.

## 7.5 Selecting Balance Mode

Choose the appropriate balance mode (e.g., static, dynamic, alloy rim modes) from the control panel based on the wheel type and desired balancing method.

## 7.6 Starting the Balancing Cycle

Close the wheel guard (if applicable) and press the START button. The machine will spin the wheel, measure imbalances, and display the required weight amounts and locations.

## 7.7 Applying Balance Weights

1. Rotate the wheel manually to the indicated position for weight application. The laser indicator assists in precise placement at the 6 o'clock position.
2. Apply the specified amount of balance weight to the indicated location on the rim.
3. Repeat the balancing cycle if necessary until the display shows zero or minimal imbalance.



*Figure 4: Laser indicator for precise weight placement at the 6 o'clock position.*

## 7.8 Unit Selection

The machine allows switching between Ounce/Gram for weight units and MM/Inch for measurement units via the control panel settings.

# 8. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your KATOOL KT-B750 Wheel Balancer.



## 8.1 Cleaning

- Keep the machine clean, especially the shaft, mounting cones, and measurement ruler.
- Use a soft, damp cloth to wipe down surfaces. Avoid harsh chemicals or abrasive cleaners.
- Ensure the display panel and control buttons are free from dust and debris.

## 8.2 Inspection

- Periodically inspect all cables and connections for wear or damage.
- Check the mounting shaft and cones for any signs of wear or deformation.
- Ensure all moving parts operate smoothly.

## 8.3 Calibration

The KT-B750 has a built-in self-calibration program. Perform calibration periodically or if you suspect accuracy issues. Refer to the on-screen prompts for the double-side calibration procedure.

# 9. TROUBLESHOOTING

The KATOOL KT-B750 includes built-in fault diagnosis to assist in identifying issues. If you encounter problems, consult the display for error codes or messages.

## 9.1 Common Issues and Solutions

- **Machine does not power on:** Check power cord connection, power outlet, and main power switch.
- **Inaccurate balancing results:** Ensure proper wheel mounting, correct input of 'A', 'B', 'D' values, and perform self-calibration.
- **Wheel not spinning:** Check motor connection and ensure the wheel guard is closed.
- **Error message on display:** Refer to the machine's internal fault diagnosis system or contact technical support with the specific error code.

# 10. WARRANTY AND SUPPORT

## 10.1 Warranty Information









The KATOOL KT-B750 Wheel Balancer typically comes with a **15 Months All Parts Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage due to misuse, neglect, unauthorized modifications, or normal wear and tear.

## 10.2 Technical Support

For technical assistance, parts, or service inquiries, please contact your authorized KATOOL dealer or customer support. Provide your model number (KT-B750) and a detailed description of the issue when seeking support.



Related Documents - KT-B750

<div><p>Katool KT-B750 Wheel Balancer Operation Manual</p></div>	<p><a href="#">Katool KT-B750 Wheel Balancer Operation Manual - Automotive Equipment Guide</a></p> <p>Detailed operation manual for the Katool KT-B750 Wheel Balancer. Learn about its features, technical specifications, control panel, keyboard functions, installation, calibration, troubleshooting, and error codes for professional automotive use.</p>
<div><p>Computer Wheel Balancer</p><p>Operation Instructions with Maintenance Instructions</p></div>	<p><a href="#">Computer Wheel Balancer Operation and Maintenance Instructions</a></p> <p>Comprehensive operation and maintenance instructions for the Computer Wheel Balancer. This guide covers setup, operation, balancing modes, and troubleshooting for optimal performance and safety.</p>
<div><p>© 2000 Katool Inc. All rights reserved.</p><p>1. This is a computerized tire balancer. It has been designed to be used in a shop environment. It is not intended for use in a home garage or other non-commercial setting. Use always according to the instructions provided in this manual. Katool Inc. is not responsible for any damage caused by misuse.</p><p>Manufactured and/or Packaged in China. Imported under the name of Katool Inc.</p></div>	<p><a href="#">Katool Wheel Service Equipment Warranty Information</a></p> <p>Detailed warranty information for Katool wheel service equipment, including tire changers, wheel balancers, and wheel aligners. Covers terms, limitations, and responsibilities of both the warrantor and purchaser.</p>
<div><p>Wheel Balancer Operation Manual Models: 600F, 620F, 700F</p></div>	<p><a href="#">KATOOL Wheel Balancer Operation Manual (Models 600F, 620F, 700F)</a></p> <p>Comprehensive operation manual for KATOOL Wheel Balancers, models 600F, 620F, and 700F. Covers safety instructions, setup, operation, calibration, and troubleshooting for automotive wheel balancing.</p>
<div><p>KATOOL</p><p>Installation, Operation and Maintenance User's Manual</p><p>Tire Changer Model KT-810</p></div>	<p><a href="#">KATOOL KT-810 Tire Changer: Installation, Operation, and Maintenance Manual</a></p> <p>Comprehensive user manual for the KATOOL KT-810 Tire Changer, covering installation, operation, safety procedures, technical specifications, maintenance, troubleshooting, and warranty information. Includes detailed steps for tire mounting and demounting.</p>
<div><p>KATOOL</p><p>Installation, Operation and Maintenance User's Manual</p><p>Tire Changer Model KT-830</p></div>	<p><a href="#">KATOOL KT-830 Tire Changer Installation, Operation, and Maintenance Manual</a></p> <p>Comprehensive manual for the KATOOL KT-830 Semi-automatic swing arm tire changer, covering installation, operation, maintenance, and troubleshooting. Includes technical specifications, safety instructions, and parts list.</p>