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> [HNZXIB Professional Full Body Fat Analyzer Model BFA-1 Instruction Manual](#)

## HNZXIB BFA-1

# HNZXIB Professional Full Body Fat Analyzer (Model BFA-1) Instruction Manual

Comprehensive Guide for Setup, Operation, and Maintenance

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## 1. INTRODUCTION

The HNZXIB Professional Full Body Fat Analyzer, Model BFA-1, is an advanced instrument designed for comprehensive body composition analysis. Utilizing multi-frequency bioelectrical impedance testing (MFBI) and a point-touch electrode method, this device accurately measures various components of the human body to provide a detailed assessment of health status. It is suitable for use in professional settings such as gyms, health clinics, and wellness centers.

The analyzer provides data on key health indicators including body weight, BMI, body fat, muscle mass, water content, and more, offering a foundation for personalized health management and goal setting.



Figure 1: Front view of the HNZXIB Professional Full Body Fat Analyzer (Model BFA-1).

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before operating the device to ensure safe and effective use. Failure to follow these instructions may result in injury or damage to the device.

- **Consult a Physician:** Individuals with pacemakers, other implanted medical devices, or pregnant women should consult a physician before using this device.
- **Proper Placement:** Ensure the device is placed on a stable, flat, and dry surface to prevent tipping or inaccurate measurements.
- **Electrical Safety:** Do not operate the device with wet hands or in damp environments. Ensure the power cord is not damaged and is properly connected to a grounded outlet.
- **Cleaning:** Disconnect the device from power before cleaning. Use a soft, damp cloth; avoid abrasive cleaners or harsh chemicals.
- **Children and Pets:** Keep the device out of reach of children and pets to prevent accidental injury or damage.
- **Intended Use:** This device is intended for body composition analysis only. Do not use it for any other purpose.

## 3. SETUP

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### 3.1 Unpacking

Carefully remove all components from the packaging. Verify that all parts are present:

- Main Analyzer Unit (Base and Column with Screen)
- Hand Electrodes (2 units)
- Power Adapter
- Instruction Manual

### 3.2 Assembly

1. Place the main analyzer unit on a firm, level surface.
2. Connect the hand electrodes to their designated ports on the main column. Ensure a secure connection.

3. Connect the power adapter to the device's power input port and then plug it into a suitable electrical outlet.



Figure 2: Side view of the analyzer, showing the column and base.

### 3.3 Initial Power-On

Press the power button, usually located on the side or back of the screen unit. The 8-inch touch screen will illuminate, and the device will initiate its startup sequence. Follow any on-screen prompts for initial setup, such as language selection or date/time configuration.

## 4. OPERATING INSTRUCTIONS

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### 4.1 User Profile Creation

Before taking a measurement, it is recommended to create a user profile. This allows the device to store and track individual data over time.

1. From the main menu, select "New User" or "User Management".
2. Enter required information such as age, gender, height, and activity level using the on-screen keyboard.
3. Confirm and save the profile.



*Figure 3: Touch screen interface for user data input.*

## **4.2 Taking a Measurement**

For accurate results, ensure your feet are bare and clean, and your hands are clean and dry before measurement.

1. Select your user profile from the main menu.
2. Step onto the platform with bare feet, ensuring your feet are correctly positioned on the metal electrodes. Stand still and upright.
3. Grasp the hand electrodes firmly, ensuring your palms make full contact with the metal surfaces. Keep your arms straight but not locked, and slightly away from your body.
4. Remain still and quiet during the measurement process. The device will display a progress indicator.
5. Once the measurement is complete, the results will be displayed on the screen.



Figure 4: Correct foot placement on the platform electrodes.



Figure 5: Proper grip of the hand electrodes.

### 4.3 Understanding Your Results

The HNXIB BFA-1 provides a comprehensive analysis of your body composition. Key metrics include:

- **Body Weight:** Your total body mass.
- **BMI (Body Mass Index):** A measure of body fat based on height and weight.
- **Body Fat Percentage:** The proportion of fat to total body weight.
- **Skeletal Muscle Mass:** The total weight of muscle attached to bones.
- **Body Water:** Total water content in the body.
- **Protein:** The amount of protein in your body.
- **Minerals:** The total mineral content, primarily in bones.
- **Fat-Free Mass:** The total weight of your body minus all fat.
- **Waist-Hip Fat Ratio:** Ratio indicating fat distribution.
- **Segmental Analysis:** Detailed breakdown of muscle and fat in left/right upper/lower limbs and trunk.
- **Visceral Fat Index:** Level of fat surrounding internal organs.
- **Basal Metabolism:** The minimum energy required to maintain vital functions at rest.
- **Body Age:** An estimation of your body's physiological age.



*Figure 6: Example of body composition analysis results displayed on the screen.*

## 5. DATA OUTPUT AND REPORTING

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The HNZXIB BFA-1 offers several options for viewing and managing your body composition data:

- **On-Screen Display:** All measurement results are immediately available on the 8-inch touch screen.
- **Built-in Printer:** The device includes a built-in printer for instant hard copies of your reports.
- **External Printer Support:** For more detailed or larger format reports, the device supports connection to an external A4 printer.
- **Computer Control and Storage:** The analyzer can be controlled via a computer, allowing for automatic storage of test data and more advanced analysis.



Figure 7: The analyzer shown with a connected printer and a sample report.

## 6. MAINTENANCE AND CARE

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Regular maintenance ensures the longevity and accuracy of your HNZXIB BFA-1 analyzer.

- **Cleaning:**

- Wipe the device surfaces, including the screen and electrodes, with a soft, slightly damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electronic components.
- Ensure the device is unplugged before cleaning.

- **Storage:**

- Store the analyzer in a cool, dry place, away from direct sunlight and extreme temperatures.
- Protect the device from dust and moisture.
- The device features a folding mechanism for easier storage.

- **Calibration:** While the device is designed for long-term accuracy, periodic professional calibration may be recommended for clinical settings. Refer to service guidelines for details.



Figure 8: The analyzer demonstrating its one-click folding mechanism for compact storage.

## 7. TROUBLESHOOTING

If you encounter issues with your HNZXIB BFA-1, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Power cable not connected; power outlet issue.	Ensure power cable is securely connected. Test the outlet with another device.
Inaccurate readings.	Incorrect user data; improper contact with electrodes; device not on a level surface.	Verify user profile data. Ensure bare feet and hands make full contact with electrodes. Place device on a flat, stable surface.
Printer not working.	Out of paper; paper jam; printer connection issue.	Check paper supply and clear any jams. For external printers, ensure proper connection and driver installation.
Touch screen unresponsive.	Temporary software glitch; screen calibration needed.	Restart the device. If issue persists, refer to the full user manual for screen calibration instructions.

If the problem persists after attempting these solutions, please contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model	BFA-1
Measurement Principle	Multi-frequency Bioelectrical Impedance Analysis (MFBI A)
Electrodes	Point touch electrode method (foot and hand electrodes)
Display	8-inch Touch Screen
Test Weight Range	10 - 300 kg

Feature	Detail
Measurement Age Range	6 - 99 years
Test Impedance Range	100 - 950 $\Omega$
Operating Temperature	5 - 40 °C
Operating Humidity	30% - 75% (non-condensing)
Storage Temperature	-20 - 70 °C
Storage Humidity	<80% (non-condensing)
Data Output	Built-in printer, external A4 printer support, computer connectivity
Manufacturer	HNZXIB
Country of Origin	China

## 9. WARRANTY AND SUPPORT

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### 9.1 Warranty Information

This HNZXIB product is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

### 9.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact HNZXIB customer support. Contact details can typically be found on the manufacturer's website or on the product packaging.

**Manufacturer Contact:** What's App:+86 15803804368

Please have your product model (BFA-1) and purchase date available when contacting support.

