

TANITA DC-430U

Tanita DC-430U Dual Frequency Full Body Composition Monitor User Manual

1. INTRODUCTION

The Tanita DC-430U is a dual-frequency full body composition monitor designed for comprehensive health and fitness assessment. Utilizing FDA-cleared Bioelectric Impedance Analysis (BIA) technology, it provides 15 precise body composition measurements. This manual provides instructions for the proper setup, operation, and maintenance of your device, ensuring accurate and reliable results.

Key Features:

- Provides 15 body composition measurements: weight, Body Mass Index (BMI), body fat percentage, body fat mass, fat-free mass, muscle mass, physique rating, body water percentage, total body water mass, basal metabolic rate, metabolic age, bone mass, visceral fat rating, and data analysis.
- FDA-cleared body fat analysis for children aged 5-17.
- Portable design suitable for various professional settings, including clinics, hospitals, and research institutes.
- Features include athlete mode, kg-only option, built-in thermal printer, USB Type B output, RS-232 output, and an SD card slot for data storage.
- Includes a 3-year warranty, AC adapter, and one roll of thermal paper.

2. PRODUCT OVERVIEW



Figure 1: Tanita DC-430U Dual Frequency Full Body Composition Monitor, showing the display unit and weighing platform.

**6 Foot
Cable**



FDA Cleared, Dare To Compare

Figure 2: Close-up view of the Tanita DC-430U display unit with its integrated printer and the weighing platform, connected by a 6-foot cable. The display shows measurement readings.

3. SETUP

3.1 Unpacking

1. Carefully remove all components from the packaging.
2. Verify that all parts are present: display unit, weighing platform, AC adapter, one roll of thermal paper, and this user manual.

3.2 Connecting Components

1. Connect the cable from the weighing platform to the designated port on the display unit. The cable length is approximately 6 feet (1.8 meters), allowing flexible placement of the display unit.
2. Connect the AC adapter to the display unit's power input port.
3. Plug the AC adapter into a suitable electrical outlet.

3.3 Initial Power On

1. Press the power button on the display unit.
2. The device will perform a self-check and display the initial screen.

4. OPERATING INSTRUCTIONS

4.1 User Data Input

1. The interactive console is designed to guide users through data input. Follow the on-screen prompts to enter personal details such as age, gender, and height.
2. Select the appropriate mode (e.g., standard, athlete mode) if applicable to your assessment needs.

4.2 Taking Measurements

1. Ensure the device is placed on a flat, hard surface for accurate readings.
2. Step onto the weighing platform barefoot, ensuring your feet are correctly positioned on the four metal electrodes.
3. Remain still until the measurement process is complete and results are displayed on the screen.

4.3 Understanding Measurements

The DC-430U provides 15 detailed body composition measurements. For accurate interpretation of these results and personalized health advice, consult with a qualified health professional.

4.4 Using the Built-in Printer

The Tanita DC-430U features a built-in thermal printer. After a measurement is completed, results can be printed automatically or on demand, providing a physical record for the user. The printer uses standard 2.25-inch thermal paper, which helps keep operational costs low.

4.5 Data Management

1. **SD Card:** Insert an SD card into the designated slot to automatically store measurement data for later retrieval and analysis.
2. **USB/RS-232:** Utilize the USB or RS-232 connectors for seamless integration with Electronic Medical Record (EMR) systems or Tanita's Health Ware software, enabling detailed data analysis, graphing, and trend tracking.

5. MAINTENANCE

5.1 Cleaning

1. Wipe the display unit and weighing platform with a soft, slightly damp cloth.
2. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the device's surface and internal components.
3. Never immerse the device or any of its components in water.

5.2 Storage

1. Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

2. Ensure the device is protected from dust and moisture when not in use.

6. TROUBLESHOOTING

If you encounter issues with your Tanita DC-430U, please refer to the following common troubleshooting steps:

- **Device Not Powering On:**
 - Check if the AC adapter is securely connected to both the device and a functional power outlet.
 - Verify that the correct AC adapter is being used and that it fits properly into the power input port.
- **Inaccurate Readings:**
 - Ensure the device is placed on a flat, hard, and stable surface. Avoid carpets or uneven flooring.
 - Make sure your feet are clean, dry, and properly positioned on all four electrodes of the weighing platform.
 - Avoid taking measurements immediately after intense exercise, showering, or consuming large amounts of fluids, as these can affect body composition readings.
- **Printer Not Working:**
 - Check if thermal paper is loaded correctly and not jammed.
 - Ensure the paper roll is not empty and replace it if necessary.
- **Display Errors:**
 - If an error code appears, refer to the full troubleshooting section in the comprehensive manual (if available) or contact customer support.

7. SPECIFICATIONS

Feature	Detail
Package Dimensions	17.2 x 17 x 9.5 inches
Item Weight	20 pounds
Manufacturer	Tanita
ASIN	B00U1SHP2C
Date First Available	February 26, 2015
Best Sellers Rank (Health & Household)	#1,044,413
Best Sellers Rank (Body Composition Monitors)	#104

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Tanita DC-430U Dual Frequency Full Body Composition Monitor is covered by a 3-year warranty from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use.

8.2 Customer Support

For technical assistance, service, or to make a warranty claim, please contact Tanita customer service. Refer to the official Tanita website or the contact information provided with your purchase documentation for the most current support details.