

KILOTECH 853185

Kilotech Bench Scale User Manual

Model: 853185 | Brand: KILOTECH

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Kilotech Bench Scale, Model 853185. Designed for accuracy and durability, this scale features a 50 lbs./20 kg capacity and is suitable for various environments, including those with high humidity and dust, thanks to its IP66 rating. It includes a large LCD display with backlight and a removable stainless steel platform for easy cleaning.

SAFETY PRECAUTIONS

- Ensure the scale is placed on a stable, level surface to guarantee accurate readings.
- Do not overload the scale beyond its maximum capacity of 50 lbs. (20 kg).
- Keep the scale away from strong electromagnetic fields, which may interfere with its operation.
- This scale is "Not Legal for Trade" for commercial transactions unless inspected and certified by the relevant authorities. The counting feature is also not legal for trade.
- Use only the provided A/C adapter or a fully charged internal battery for power.

SETUP

1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the scale for any signs of damage during transit. The package should include the scale base, stainless steel platform, A/C adapter, and this user manual.



Figure 1: Front view of the Kilotech Bench Scale, showing the main unit with the stainless steel weighing platform installed. The LCD display and control buttons are visible on the front panel.

2. Platform Installation

Place the stainless steel weighing platform securely onto the scale base. Ensure it sits flat and does not wobble. The platform is designed to be easily removable for cleaning.

3. Power Connection

The scale can be powered by the included A/C adapter or its internal rechargeable battery.

- **A/C Power:** Connect the A/C adapter to the power input port on the scale and then plug it into a standard electrical outlet.
- **Battery Power:** The scale operates on a rechargeable battery. Ensure the battery is sufficiently charged before use. The display will indicate low battery status when charging is required.

4. Leveling

For accurate measurements, the scale must be level. Adjust the four adjustable feet located at the bottom of the scale until the bubble in the level indicator (if present) is centered. If no level indicator is present, ensure the scale is on a flat, stable surface.



Figure 2: Angled view of the Kilotech Bench Scale, highlighting its compact design and the dual display capability (front and rear displays for convenient viewing from both sides of a worktable).

OPERATING INSTRUCTIONS

1. Power On/Off

Press the **ON/OFF** key to turn the scale on or off. The display will perform a self-test upon startup.

2. Zeroing the Scale

If the display does not show zero when the platform is empty, press the **ZERO** key. This will reset the display to zero, ensuring accurate measurements for subsequent items.

3. Taring Function

To weigh an item in a container, place the empty container on the platform and press the **TARE** key. The display will show zero, effectively subtracting the container's weight. You can then add the item to the container, and the scale will display only the net weight of the item.

4. Unit Selection

Press the **UNITS/COUNTING** key to cycle through the available weight units: grams (g), kilograms (kg), ounces (oz), and pounds (lb).

5. Secondary Counting Function

This scale features a secondary counting function. To use it, place a known quantity of items (e.g., 10 pieces) on the platform, then follow the specific steps outlined in the full product manual (not provided here, but generally involves pressing the **UNITS/COUNTING** key and entering the sample quantity). *Note: The counting feature is not legal for trade.*

MAINTENANCE

1. Cleaning

The stainless steel platform is removable for easy cleaning. Wipe the platform and the scale's ABS enclosure with a damp cloth. Do not use abrasive cleaners or immerse the scale in water. The scale is designed to be water and dust resistant (IP66), meaning it is protected against strong water jets and is dust-tight.

2. Battery Charging

When the low battery indicator appears on the display, connect the A/C adapter to charge the internal rechargeable battery. It is recommended to fully charge the battery before its first use and periodically thereafter to maintain battery life.

3. Storage

Store the scale in a dry, clean environment when not in use. Avoid extreme temperatures and direct sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	No power, discharged battery, or faulty A/C adapter.	Check A/C connection. Charge battery. Try a different outlet.
Inaccurate readings.	Scale not level, unstable surface, overloaded, or foreign object under platform.	Ensure scale is level and on a stable surface. Do not exceed capacity. Remove any obstructions. Perform zeroing.
Display shows "Lo" or "Batt".	Low battery.	Connect the A/C adapter and charge the battery.
Display shows "OL" or "Err".	Overload.	Remove the item from the platform. Do not exceed the maximum capacity.

SPECIFICATIONS

Model: 853185

Brand: KILOTECH

Capacity: 50 lbs. / 20 kg

Graduations: 0.02 lbs. / 0.01 kg

Platform Dimensions: 9-1/2" L x 9" W (24.13 cm L x 22.86 cm W)

Overall Height: 5.75" (14.6 cm)

Material: Stainless Steel Platform, ABS Enclosure

Display: Large LCD with Backlight

Power: A/C Adapter or Rechargeable Battery

Protection Rating: IP66 (Dust tight and protected against strong water jets)

Weight Modes: g, kg, oz, lb

Keys: Zero, Tare, Units/Counting, On/Off

Item Weight: 4.13 kg (9.1 lbs)

COMPLIANCE AND LEGAL NOTICE

Please note that this scale is designated as "Not Legal for Trade" for commercial transactions unless it has been inspected and certified by the appropriate legal metrology authorities in your region. The secondary counting function is also not legal for trade.

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For technical support, please refer to the contact information provided with your purchase documentation.

Documents - KILOTECH – 853185



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