

KILOTECH

KLE Operation Manual



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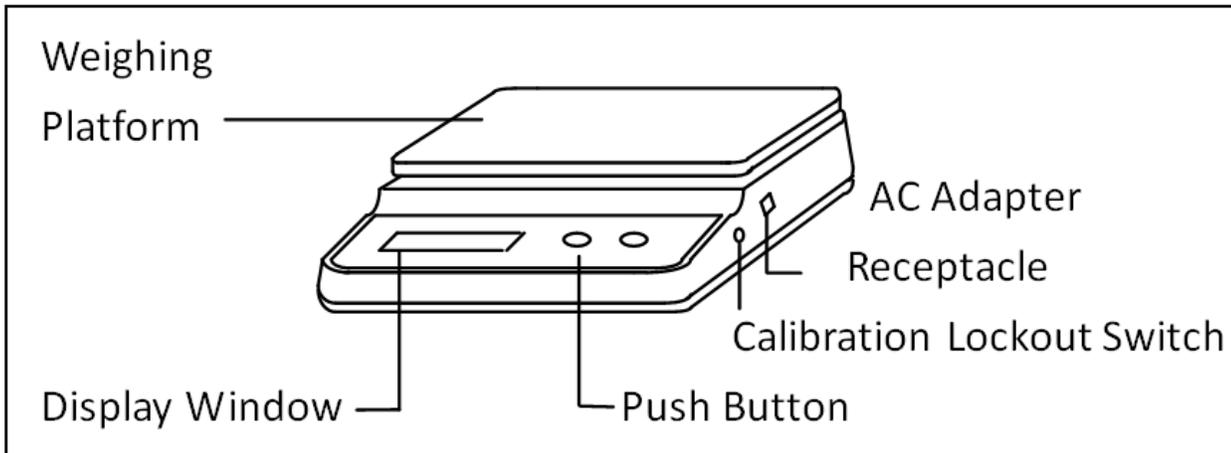
Introduction

Thank you for choosing a Kilotech product. We appreciate your business and hope that you will enjoy using your scale. Should you require support, please contact your local dealer from whom you have purchased.

General Precautions

Avoid lengthy exposure to heat or cold	Allow the scale to acclimate to normal room temperature before use
Allow sufficient warm up time	Turn the scale on and wait for a few minutes to allow the internal components a chance to stabilize before weighing
Do not leave a load or weight on a scale for a prolonged period of time.	Might damage load cell
Do not tamper with the scale yourself	This will void the warranty. Contact your local distributor or Kilotech directly to properly repair your scale
Do not overload beyond the maximum weight limit	
Do not pull the plug by its cord when unplugging	
Do not use the scale near fire or corrosive gas	
Unless the scale is waterproof do not spill water or immerse in water	
Avoid placing the scale near a heater	It could cause a fluctuation to the indicator reading
Always make sure to use a Kilotech approved adapter	
Do not drop the scale or apply a sudden shock	
Do not drag the scale	
Avoid exposing to other electromagnetic devices	These devices emit RF and can cause unstable readings. If your scale should perform poorly, try moving the scale to a different room or location
Level the scale or make sure it is on an even surface	A scale used on an uneven surface may provide an unstable reading
Scale should be used within stated temperature	
The scale should always be used in an environment which is free from excessive air currents, corrosives, vibration and temperature or humidity extremes.	

Unpacking



All KLE 200 scales are supplied with:

- AC power adapter
- instruction manual

Installation

Power

The scale can be operated using 4 AA alkaline (not included), or the AC adapter supplied.

Battery Installation

1. Turn the balance over.
2. Press the tabs on the battery cover inward and lift the cover off.
3. Remove the battery holder.
4. Install the 4AA alkaline battery in the battery holder, orienting the Plus (+) and minus (-) ends as indicated on the holder.
5. Replace the battery cover.

AC Adapter

Plug the jack from the adapter into the receptacle located on the right side of the balance. Plug the adapter into a 220v or 110v AC outlet.

Operation

Turning the scale On and Off

With no load on the platform, press ON/TARE key.

The scale will do a display segment check and then display the software version.

NOTE: Allow at least 5 minutes for the balance to temperature stabilize before using. If the balance is moved to a different temperature environment, allow additional time to stabilize.

To turn the balance off: press and hold OFF/MODE until OFF is displayed, and then release it.

Checking Calibration

Before using the balance, its calibration should be checked.

If the displayed weight differs from the known mass by more than acceptable limits, refer to the Calibration Menu and the Specifications at the rear of the manual.

Weighing

1. Press ON/TARE to set the display to zero.
2. Place the object to be weighed on the platform.
3. Wait until the unit indicator appears before reading the displayed weight. When the unit indicator appears, the reading is stable.

Tare

When weighing samples that must be held in a container, tare enables the balance to subtract the weight of the container and display only the net weight of the sample.

1. Press ON/TARE with no load on the platform to set the display to zero.
2. Place the empty container on the platform. Its weight will be displayed.
3. Press ON/TARE. Zero will be displayed and the container's weight will be stored in the balance's memory.
4. Add the sample to the container and read its net weight on the display.
5. When the container and its contents are removed, the container weight will be displayed as a negative number.

The tared weight will remain in memory until ON/TARE is pressed again or the balance is turned off.

Parts Counting

NOTE: Parts counting must be enabled in the Setup menu before using
The balance will count parts based on the weight of a reference sample, 5, 10, 20, 30, 40 or 50 parts. For optimum results, the parts should be uniform in weight.

1. Repeatedly press OFF/MODE until pc CON is displayed.
2. Place a container on the platform and press ON/TARE.
3. The balance displays pcADD 5 which is the preset reference quantity. "5"
4. To change the reference quantity, repeatedly press ON/TARE until the desired quantity displayed.
5. Add the displayed number of parts to the container, then press ON/TARE
6. The balance will display the current number of parts.
7. Add parts to the container as desired and read the quantity on the display. At this time, only "PC" counting signal is displayed.
8. To switch between viewing the quantity and weight of the parts, press OFF/MODE

NOTE 1: If you need to exit or restart parts counting at any time, press and hold ON/TARE until pc CON is displayed, then release it. Return to step 2 to restart, or press OFF/MODE for other weighing functions.

NOTE 2: If PCErr is displayed, the sample is too small to provide accurate results within the selected parts counting error level (PCErr of the Setup menu).

NOTE 3: The reference quantity will remain in memory until it is changed or balance is turned off.

Calibration Menu

Turn the scale on and wait for a few minutes to allow the internal components a chance to stabilize before weighing

1. Press and hold ON/TARE with no load on the platform, until "CAL" is displayed, then release it.
2. The scale will display "CAL"
3. After a few seconds it will change to "CAL A"
4. Put the required weight on the platter
5. Press ON/TARE
6. The scale will display "CAL" and then "CAL S"
7. Remove the weight and press ON/TARE
8. The scale will complete the calibration and return to zero
9. Test for accuracy

CALIBRATION LOCK PROTECTION

Access to the Calibration menu can be disabled using the lock switch
Switch located on the right side of the balance.

1. Turn the balance off and unplug the power cord.
2. Locate the access hole on the right side of the balance where the switch is located and remove the plug from the hole.
3. Using a small screwdriver, slide the switch to the front of the balance for LOCKED or towards the rear of the balance for UNLOCKED.
4. Replace the plug in the access hole.
5. Plug in the power cord and turn on the balance.

Care and maintenance

To keep the balance operating properly, the housing and platform should be kept clean and free from foreign material. If necessary, a cloth dampened with a mild detergent may be used. Keep calibration masses in a safe dry place.

Unplug the AC Adapter when not in use. For long term storage, remove the batteries.

Troubleshooting

SYMPTOM	PROBABLE CAUSE	REMEDY
No Display	Power Adapter not connected.	Connect power Adapter.
LO BAT Indicator	Batteries are weak	Replace batteries
Incorrect Weight Reading	Balance was not re-zeroed before weighing Balance has not been	Press ON TARE with no weight on the platform then weigh item
Calibration Procedure does not work	Incorrect weights being Used	Use correct weights.
Unable to display Weight in a particular weighing unit	Weighing unit not Enabled in Setup menu.	Use Unit Selection submenu to set desired units ON (see Setup menu).
Unable to access C. UNIT in Setup menu to enter Conversion Factor	Custom Units (%) not Enabled in Setup menu, or not set to USR.	Use Unit Selection submenu to set Custom Units (%) to USR.
Balance won't store Selections made in Setup menu	END selection was not used to exit Setup menu.	You MUST use END to Exit Setup menu and Save selections.

Error codes

The following list describes the various errors which can appear on the display and the suggested remedy.

- Err 0: With the platform on, this indicates the platform is too light, make it heavier properly. If this error still occurs, the sensor or the circuit board may be destroyed. The balance must be sent to the manufacturer to be serviced.
- Err 1: Sample being weighed exceeds the capacity of the balance. If error occurs when the sample is within the balance capacity, balance may be incorrectly calibrated.
- Err 2: This indicates there is no platform or the platform is too light when turning the balance on. Please put the platform on before turning on the balance.