

DIGITAL WEIGHING SCALE

OPERATIONMANUAL



KILO **K I L O T E C H**
TECH

You have purchased a quality precision weighing instrument that requires handling with care. Read entire contents of this Operation Manual prior to operating your new instrument.

Disclaimer Notice

Calibrate your instrument using reference weights of the appropriate tolerance (class).

An instrument can be no more accurate than the standard to which it has been compared.

For assistance in the selection of reference weights, please contact the factory.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Introduction

Thank you for choosing one of our instruments. Your instrument is designed and manufactured to the most rigorous standards in order to give you years of service. First, check the contents of the shipping carton. You should find the following:

***Manual *Instrument**

Next, follow the instructions for installing your instrument.

Now you are ready to begin using your instrument. To take advantage of its many features, carefully read your operating manual.

It contains step-by-step procedures, examples, and other vital information.

Warning: Use of this product in a manner not specified by the manufacturer may impair any safety protection provided by the equipment.

Specifications

Capacity	1.5Kg	3Kg	6Kg	15Kg	30Kg
Division-A	0.2g	0.5g	1g	2g	5g
Division-B	0.1g	0.2g	0.5g	1g	2g
Division-C	0.05g	0.1g	0.2g	0.5g	1g
MiniCap.	1g/2g/4g	2g/4g/10g	4g/10g/20g	10g/20g/40g	20g/40g/100g
Pan size	285 * 240mm				
Power source	AC:110/220V DC:6V				

Preparation

This product is intended for indoor use.

- Select a suitable work area.
- Work area should be relatively free from drafts and vibrations.
- Work surface should be level and rigid.
- Do not locate near magnetic materials or equipment/instruments which use magnets in their design.
- Avoid areas, which have variations in room temperatures or have excessive room temperatures. Room temperatures above 40° C or 0° C could affect instrument operation and accuracy.

Installation

Remove instrument and accessories from the carton.
Save packing material for transportation purposes.

- If using the AC adapter , insert power cord into the receptacle located on the side panel of the instrument (behind On/Off switch). Firmly push in the plug.
- Allow the instrument to warm up for 30 minutes prior to use.
- Your instrument features a numeric display that continuously. Shows your weighing results.

Illustration of display board

1. “~” :Denote that the scale is under the case of stable.
2. “→0←” which denotes that the scale is zero
3. NET:Net weight
4. lb:present unit is lb
5. Kg:present unit is Kg
6. Charge indicator:red light denotes that the scale is being charging , and green light denotes that charging is full.

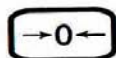
Function keys

On/Off Switch

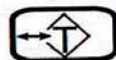
Turns instrument On or Off.



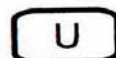
to calculate the former weighing results.



Captures a new center of zero.



Reduce gross weight on pan as tare weight.



Units switch for kg or lb.



To display the total weight.

CE

To clear the former recoded documents.

0 ~ 9

To set hi-low limitation.

Operation

A. Getting Started

Turn the instrument on by pressing the power switch on.


The display will down count from 999999... while the unit is being updated.

Allow the unit to warm-up for 30 minutes.


B. Taring (zeroing)

All models have taring (zeroing) capabilities up to their total weight capacity.

To weigh a sample in its container with the display showing the weight of the sample use the following ZERO (tare) procedure.

1. Place sample container on pan and then press the  key, and ▼ will point to →0← and NET on the display.
2. Now place sample in its container.
3. When the scale is stable, the display shows the weight of the sample.

C. Accumulation function

1. Press  key can be accumulating the sub-total weight one time. (And please sure the scale is stable, and ▼ will point to M+ on the display.) And display shows:

ACC 1

2. The next accumulation must be return to zero and got new weight. And display shows:

ACC 2

3. Press **MR** key can be used to show the total times promptly, and then shows **grand-total**.
4. Press **CE** key can be used to delete all data in **grand-total** mode, and return to normal weight display.

D. HI/LO Check weigh functions (optional)

1. Use the **Hi/Lo** key to enter the OVER/UNDER limit settings.
2. **►** will shine on the upper of the display.
3. Use numeric key and **M+/ENTER** key to set the hi limitation you need.
4. **►** will shine on the lower of the display.
5. Use numeric key and **M+/ENTER** key to set the lo limitation you need.
6. please be sure that hi limitation must higher than lo limitation.
7. Clear the HI-Lo setting.



Programme

Press and hold any key while powering **ON**. The display will show:

CAL

Press the key **M+/ENTER**, the display will show

AO X

Press the key **M+/ENTER** for **parameter selecting** and

Press the key **U** for **setting**. The programme sequence as follows:

A. Auto power off

A. OFF	0	None
A. OFF	1	5 minutes after
A. OFF	2	10 minutes after
A. OFF	3*	20 minutes after
A. OFF	4	30 minutes after

B. Backlit

bL	0	None
bL	1	Active
bL	2*	Auto lighting while loading

C. hi-lo function set

HiLo	0*	None
Hilo	1	Active

D. Beep sounds for HI

bbH	0*	None
bbH	1	Short
bbH	2	Long


E. Beep sounds for LO

bbH	0*	None
bbH	1	Short
bbH	2	Long


Calibration

1. Press and hold any key while powering **ON**. The display will show:


CAL

2. Press the key , the display will show


D X000

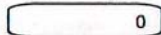
3. Press the key  and the display will read
(X means the cap. of the sale)

C X



4. Press the  key again and the display will read the offset value "30316" .

(Span value to be 20000~50000 at full capacity, adjust sw1 which is on the PCB, if the value is not in this stage).

a. Press  key to zero. Display will show

 0


b. Put a 10kg weight on the platform. After reading is stable, Display the count value: "1443316" .

c. Press the  key, When the value of "10.000" appears on display press the  key.

The calibration now is completed.

Recharge

1. when to recharge

- a. After turning on the scale or in usage , the figures keep shinning, which means the power of battery is not full. It is time to recharge. If it need to use, it may continue about ten hours.
- b. When the message "LOBAT" or " " appears , which indicate the power of battery is exhausted. Please turn off the power switch immediately and begin to recharge the battery to prolong its life.

2. Recharge Notes

- a. The scale has charger itself . Please use the charger to ensure the safety, don' t use any other specification chargers.
- b. When the red light is bright, it indicates recharging, When the orange light is bright, it indicates it is going to be full. When the green light is bright, it indicates it is full. .
- c. It will take 6-8 hours to full the battery. When the green light is bright, you can keep in recharging. .

Maintenance

1. Please take good care of the scale for it's a precision instrument.
2. Place an object on the pan softly in less to destroy load cell for the power of moment hit is too heavy.
3. In order to keep the scale in formal; please recharge the battery in time.

NOTICE: Use this device **ONLY** for its intended use. Consult www.kilotech.com for more details.

AVIS: Utilisez cet appareil **SEULEMENT** pour les applications auxquelles il est destiné. Consultez www.kilotech.com pour plus de détails.