

# KILOTECH

## KWS 301 OPERATION MANUAL



851243 AND 851253

Contents subject to change without notice

MAN02272020

Ce manuel est disponible en français à [www.kilotech.com](http://www.kilotech.com)

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## Introduction

Thank you for choosing a Kilotech Scale. 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

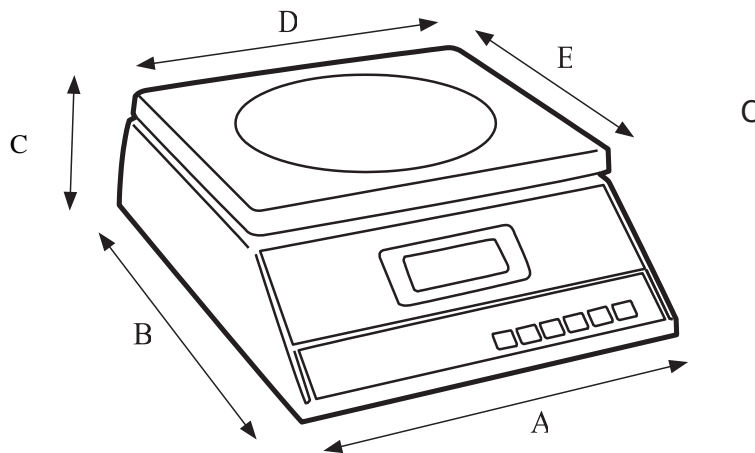
Avoid lengthy exposure to heat or cold.	Allow the scale to acclimate to normal room temperature before use.
Allow sufficient warm up time.	Turn the scale on and wait for a few minutes to allow the internal components a chance to stabilize before weighing.
Do not leave a load or weight on a scale for a prolonged period of time.	
Do not tamper with the scale yourself.	This will void the warranty. Contact your local distributor to properly repair your scale.
Do not disassemble the scale yourself.	This will void the warranty. Contact your local distributor to properly repair your scale.
Do not load 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.	
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.	

# Specifications

Product Number	851243	851253
Product Name	KWS 301-15	KWS 301-30
Capacity	30 LB. / 15 KG	66 LB. / 30 KG
Graduation	0.001 LB. / 0.0005 KG	0.002 LB. / 0.001 KG
Weighing Modes	LB. /KG	
Display	6 DIGIT LCD	
Back Light	YES	
Auto Power Off		
Power	AC 110 V OR 220 V DC 6V	
Battery	RECHARGEABLE BATTERY 861255	
Product Dimensions	11.5 X 14.25 X 5 INCHES	
Platter Size	11 X 9.5 INCHES STAINLESS STEEL	
Operating Temperature / Humidity	0° C ~40° C/ 32° F ~104° F	

# Outline

Note that the levelling bubble is situated under the left hand side of the platter and the ON/Off switch is located on the bottom right hand side of the scale.



A	B	C	D	E
292 mm/11.5"	362 mm/14.25"	127 mm/5"	279 mm/11"	241 mm/9.5"

# Unpacking and setup

- Remove the scale from the box and place it on a firm, level surface.
- Avoid locations with rapid temperature changes, excessive dust, moisture, air currents, vibrations, electromagnetic fields, heat or direct sunlight.
- NOTE: Ensure that the scale is level each time its location is changed.
- Before using the scale for the first time, the internal rechargeable battery should be fully charged for at least 12 hours.
- Allow the instrument to warm up for 30 minutes prior to use.
- Connect the supplied AC adapter to the power input receptacle. Plug the AC adapter into a power outlet and the battery will begin charging. Do not operate the scale with the charger continuously plugged in. Adapter should be used only for charging purposes.
- If the scale will be stored or transported in the future, save the packaging material to ensure the best possible protection for the scale.
- Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

# Contents

KWS 301 scale, adapter, rechargeable battery, manual

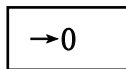
# Weighing Operations

## Illustration of display board

1. "~": Scale is stable.
2. NET: Net weight.
3. "→0←": Zero.
4. Charge: Red light indicates that the scale is being charged. Green light indicates that the battery is fully charged.
5. Lb: unit is lb
6. kg/g: unit is kg/g

## Function keys

- |                           |   |
|---------------------------|---|
| <b>ON</b>                 | a. This is not a key but a label located on the right hand side of the scale to indicate where the power switch is. |
| <b>M+</b><br><b>enter</b> | Calculates the former weighing results  |
| <b>MR</b>                 | Displays total weight   |
| <b>U</b>                  | Unit key allows you to switch between kg or lb  |



Zero key



Tare key



Clears the record

## Operating your scale

### A. Getting started

Turn the instrument on by pressing the power switch on.


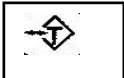
The display will count down from 999999....while the unit is being updated.

**Allow the unit to warm-up for 30 minutes.**

### B. Taring

All models have taring 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 procedure.

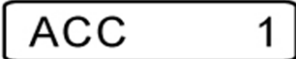
1. Place an empty container on pan and then press the  key. The ▼ will point to the NET annunciator and the weight display will show zero.
2. Place the sample in its container on the scale.
3. When the scale is stable, the display will show the weight of the sample.
4. After taking away the container, a minus value will be displayed on the screen. Press the  key to return to zero.

### C. Zeroing

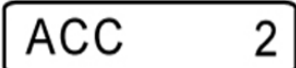
Press the  key before weighing the samples to zero the scale.


### D. Accumulation function


1. Press the  key. Put the item on the platter and press M+. Once you remove the item it will revert back to zero. Place the second item on the platter and press M+. Repeat this for as many items as you have to accumulate. Display will show with the weight:



2. The next accumulation will show with the weight:




3. Press the  key to show the total times you weighed (i.e. ACC2 for two items) and subsequently the total weight at the end.

4. Press the  key to delete all the data in the total weight, and return to the normal weight display.

### E. Programming the scale

1. Press and hold any key while powering ON, the display will show




2. Press  key the screen shows



3. Auto power off: The scale switches off automatically after the set time period.

Press the key  for parameter selection and press the key

 for setting the program sequence as follows:

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

4. Backlight – Press the  setting to change the backlight settings.

Press the M+ key to move from Autopower to Backlight settings.

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

### F. Recharging the battery

- The low battery light “LOBAT”, will flash when it is time to recharge your battery. You can use your scale for about ten hours from the time you are first notified that the battery needs to be recharged.
- When the message “LOBAT” appears on your LCD screen, turn off the power switch immediately and begin recharging the battery to prolong its life.

#### Notes

- The scale has a built-in charger. Always use the adapter that came with the scale.
- What the light colors mean:
  - RED – Need to charge the battery
  - Orange – charging is in progress
  - Green – charging is complete.
- A complete charge takes 8-10 hours.