

KILOTECH

KPS MS and KPS 2 Operator Manual



This manual applies to KPS MS and KPS 2. The above picture is the KPS 2.
Contents subject to change without notice
Version V2

KPS MS AND KPS 2 OPERATIONS MANUAL E MAN03312021

K851244 - KPS 68 MS SCALE	68kgx0.05kg/150lhx0.1lb	GTIN 888960512449
K851245 - KPS 180 MS SCALE	180kgx0.1kg/400lhx0.1lb	GTIN 888960512456
K851246 - KPS 30-2 PARCEL SCALE	30kgx0.01kg/66lhx0.02lb/1056ozx0.5oz	GTIN 888960512463
K851247 - KPS 60-2 PARCEL SCALE	60kgx0.02kg/132lhx0.05lb/2112ozx1oz	GTIN 888960512470
K851248 - KPS 150-2 PARCEL SCALE	150kgx0.05kg/330lhx0.1lb/5280ozx2oz	GTIN 888960512487

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

TABLE OF CONTENTS

TABLE OF CONTENTS	0
Introduction	1
General Precautions	1
Specifications	2
Outline	2
Unpacking and setup	3
Contents	3
Parts description, Power supply	4
Battery power, Keypad display, Status indicators	4
Weighing operations	5
Key functions	5
Maintenance	6
Troubleshooting	6
Service information	6
Error and status message	7
Warranty	7

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. Happy Weighing!

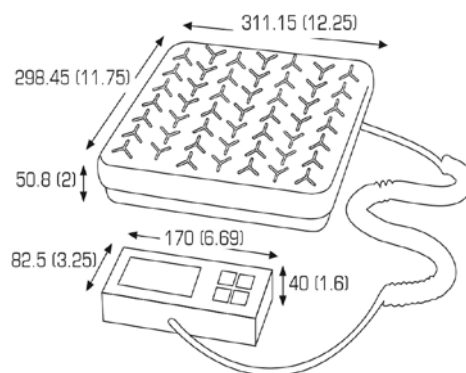
General Precautions

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 max cap 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 & humidity limits.	
Always disconnect the device from the power supply.	Disconnect before installing, servicing, cleaning or performing maintenance.
Check the power cable regularly for damage.	If it is damaged, immediately disconnect the device from the power supply.

Specifications

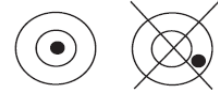
Product Number	K851244	K851245	K851246	K851247	K851248
Product Name	KPS 68 MS V2	KPS 180 MS	KPS 30-2	KPS 60-2	KPS 150-2
Capacity	68 KG / 150 LB	180 KG / 400 LB	30 KG / 66 LB / 1056 oz	60 KG / 132 LB / 2112 oz	150 KG / 330 LB / 5280 oz
Graduation	0.05 KG / 0.1 LB	0.1 KG / 0.1 LB	0.01 KG / 0.02 LB / 0.5 oz	0.02 KG / 0.05 LB / 1 oz	0.05 KG / 0.1 LB / 2 oz
Weighing Modes	kg / lb (and oz available on the KPS 2)				
Display	1" LCD with Backlight				
Back Light	yes				
Auto Power Off	yes				
Power	100 V - 240 V DC 15V AC adapter 4-AA batteries				
Battery	4-AA batteries				
Product Dimensions each / carton cm	37 x 36 x 15.5 cm / 70 x 38.5 x 39 cm		53.5 x 40 x 11 cm / 55 x 51 x 44 cm		
Product Dimensions each / carton inches	14.57 x 14.17 x 6.10 in / 27.56 x 15.16 x 15.35 in		21.06 x 15.75 x 4.33 in / 21.65 x 20.08 x 17.32 in		
Weight each kg / lb.	5 kg / 11.02 lb.		5.2 kg / 11.46 lb.		
Weight carton kg / lb.	22.5 kg / 49.60 lb.		23.5 kg / 51.8 lb.		
Dimensional Weight each kg / lb.	4.5 kg / 10 lb.		5 kg / 11 lb.		
Dimensional Weight carton kg / lb.	21 kg / 47 lb.		25 kg / 55 lb.		
Platter Size	315 x 305 x 55 mm / 12.4 x 12 x 2.17 inches				
Operating Temperature / Humidity	5°C to 35° C / 41°F to 95°F 15% - 85% RH				
Key Functions	4 keys ON/OFF TARE UNIT HOLD				
Application Mode	Weighing, Hold, Tare				

Outline



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.
- Adjust the leveling feet until the bubble is centered in the circle of the level indicator (if applicable).
- NOTE: Ensure that the scale is level each time its location is changed.
- Connect the supplied AC adapter to the power input receptacle on the side of the indicator. Plug the AC adapter into a power outlet.
- If the scale will be stored or transported in the future, save the packaging material to ensure the best possible protection for the scale.



Contents

1. Scale
2. AC Power Adaptor
3. User's Manual



Parts Description:

Fixed Mild Steel Checkered Platform
LCD Display

Key Pad



Power Supply :

Connect the AC Adaptor to the AC main supply. Connect the plug to the AC jack on the bottom of the scale as shown in the illustration below. The power outlet should be close to the scale and easily accessible.



Battery Power :

The scale will automatically switch to battery operation if there is a power failure or the power cord is removed to provide uninterrupted scale operation.

Note: When low battery is displayed, the scale will shut off after 30 seconds.

CAUTION:

Risk of explosion can occur if replaced with the wrong type or connected improperly.

Do not use the battery for any purpose other than those described in this manual.

Do not disassemble, repair or otherwise manipulate the battery.

Obey the local laws and regulations of disposing the battery.

Operation :

Keypad and Display Description :



Status Indicators :

ICON	Description
○	Stability display
→0←	Zero setting activated
⬛	Negative sign
NET	Display net weight
Hold	Display hold function
kg / lb	Currently chosen weight unit

Weighing operations

Key functions



Power on/off

- Turns the display ON or OFF



Tare

- Weight tare: Place the receptacle (box, bowl etc...) on the scale, and when the reading is stable, press tare key to tare the weight.
- To clear Tare, press their respective buttons.



Units key

- Use the key to shift between "kg", "lb" and "oz" (oz is available on the KPS 2).



Hold key

- Use the key when the applied load is not a static load.
- Press the HOLD key and it will capture the reading once a stable reading occurs.

Turning Scale On/Off :

To turn the scale on, press the [ON / OFF] button scale will display **88888** and then enters the active weighing mode.

To turn the scale off, press the [ON / OFF] button to turn it off.

Zero Operation :

When the display shows "0", the scale is ready to weigh. If the weight of the object exceeds the capacity of the scale by more than 5%, the display shows "0000".

Objects can be added to the pan until the overload threshold is reached. The display shows the total weight of all objects on the pan.

Changing Units of Measure :

In the weighing mode, use [UNIT] to display the next available measuring unit. Repeat process to scroll through all units.

Performing TARE function:

Place an empty container on the scale and press [TARE]. The display will show a net value of “0”.

To clear the Tare value, press [TARE] with an empty platter.

Performing HOLD feature :

Press [HOLD] and a triangle will appear above NET triangle. Load the object on to the platform. Once the weight is stable, the scale locks the weight automatically, even if you remove the object from the platter.

Press [HOLD] again to release HOLD feature.

Maintenance:

Cleaning :

Before cleaning, disconnect the power plug from the power outlet and remove the batteries from the appliance to power off the unit.

- Clean with a damp cloth and a mild soap or similar agents if necessary, and buff it dry.
- Do not use any acids, alkalis or strong active solvents to clean the housing or the control panels.

Troubleshooting:

SYMPTOM	POSSIBLE CAUSE	REMEDY
Scale does not turn on	Battery discharged	Replace the battery or use the adapter
	Power cord not plugged in properly	Check the power cord connection and make sure it is plugged in properly into the power outlet.
	Other failure	Have the scale serviced by a Kilotech authorized service center.
Poor accuracy	Unstable environment	Move the scale to a suitable location. Refer to the manual <i>Specifications</i>
	Improper calibration	Perform calibration.

Service Information :

If the troubleshooting section above does not resolve or describe your issue, contact your authorized distributor.

Error and Status Message:

Error Message:

ERROR MESSAGE	DESCRIPTION	REMEDY
Lo	Low battery indication	Connect the power supply or change to new batteries.
Err	Zero value is too high or too low when the power is on	Empty the load plate before powering up and check if the scale is placed correctly. Recalibrate the scale.
ErrH	Zero value is too high when the power is on	Empty the load plate before powering up. Recalibrate the scale.
Errd	AD board is malfunctioning	Check to see if the wire is disconnected or change the AD board.
ErrL	AD board is malfunctioning when entering the calibration mode	Change the AD board.

Warranty :

Kilotech scales are warranted against defects in material and workmanship for a period of one(1) year for the scale and 3 months for the adapter, from the date of purchase. Please retain your receipt as proof of purchase. Warranty expiration on products returned without proof of purchase will be determined from the manufacturing date code or the date of shipment to the authorized dealer. Coverage may be invalidated as this date is previous to purchase date. No other express or implied warranty is given by Kilotech.

Freight damage on returns is not covered under warranty.

This warranty does not apply for the following reasons: the product has been damaged by accident or misuse, parts and products of a consumable nature, exposed to radioactive or corrosive materials, has foreign material penetrating to the inside of the product, or as a result of service or modification by other than Kilotech.