KILOTECH

KPC 3K and KPC 15K

Owner's Manual

KPC 3K AND KPC 15K OPERATION MANUAL E MAN08152022

Ce manuel est disponible en français à http://www.kilotech.com

K850137 - KPC 3K 3KG X 0.1G 6LB X 0.0002LB

GTIN 889605250137

K850138 - KPC 15K 15KG X 0.5G 30LB X 0.001LB

GTIN 889605250138

Contents

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 where you purchased your scale.

Warranty

Kilotech scales are warranted against defects in material and workmanship for a period of one 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.
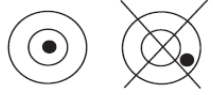
KPC 3k and 15k

General Precautions

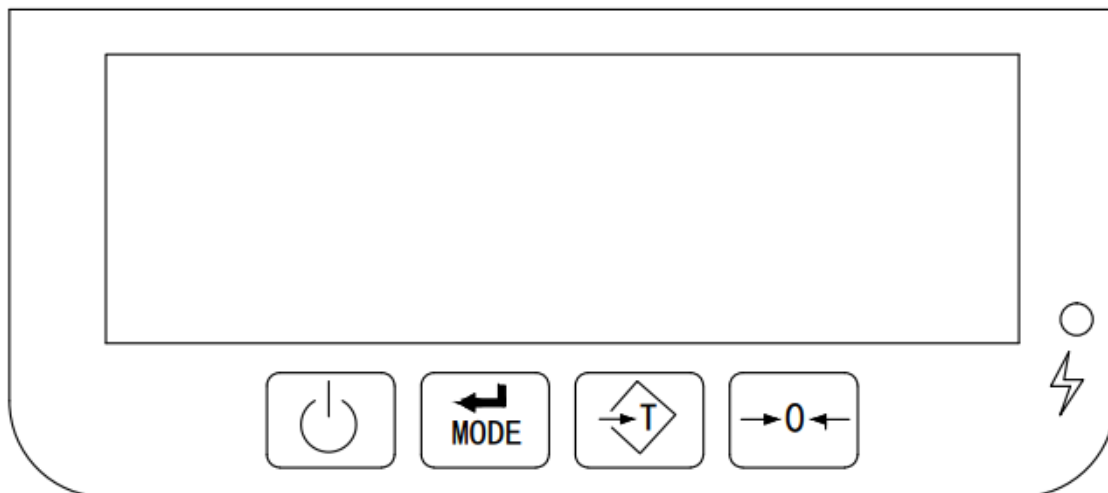|	
Avoid lengthy exposure to heat or cold.	Allow the scale to acclimate to normal room temperature before use.
Allow sufficient warm up time.	Turn the scale on and wait for a few minutes to allow the internal components a chance to stabilize before weighing.
Do not leave a load or weight on a scale for 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 dissemble 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.	
Do not disassemble or modify the scale, since this voids the warranty	

Specifications

Product Number		
Product Name	KPC 3K	KPC 15K
Capacity	3 kg / 6 lb	15 kg /30 lb
Graduation	0.1 g / 0.0002 lb	0.5 g /0.001 lb
Weighing Modes	g/kg/lb/oz. PCS	
Back Light	YES	
Auto Power Off	YES	
Automatic calibration	Capacity is adjusted by the software automatically.	
Multiple saving mode setting	YES	
Charging indicator and low voltage auto power-off function	YES	
Zero tracking / zero error indication / overload alert function	YES	
Error signal	YES	
Counting Feature	YES	
Power	Input: AC110V～240V 50HZ; Output: AC9V～12V 500mA DC 6V4Ah recharging battery	
Power dissipation	0.1VA	
Product Dimensions	26cm (10.25") x 20cm (8") x 8cm (3.25")	
Platter Size	20cm (8") × 18cm (7")	
Operating Temperature / Humidity	0℃ ~ 40℃ / ≤85%RH	
Minimum load cell resolution	0.1uV	
Maximum resolution	n=10000	
Load cell supply current	<200Ma	
Load cell input voltage	DC0mV ～ DC+16mV	
Accuracy Class	III	
A/D switch speed	10 times/second	
Weight	1.5Kg (without recharging battery)	

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 four levelling legs by turning them so that the air bubble is centered on the black circle of the level bubble. All levelling legs should be touching the surface.
- 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.
- Connect the supplied AC adapter to the power input receptacle underneath the scale. Plug the AC adapter into a power outlet and the battery will begin charging.
- If the scale will be stored or transported in the future, save the packaging material to ensure the best possible protection for the scale.

Weighing operations

KEYBOARD AND DISPLAY

Front Panel

KEY	DESCRIPTION
⏻	Press to turn on / off the scale. The scale will first run a self-test and then enter into weighing mode.
MODE	Press to enter into the configuration setting menu. When in weighing mode, use to change the weighing units.
→T←	Press to tare to deduct the container weight; net weight will display.
→0←	Press to zero the scale. Range of zero is ±2% FS of full scale.

LCD Icons:

Icon	DESCRIPTION
⚡	Charging mode.
(███)	Battery capacity.
◯	Stable weight.
→T←	Tare.
→0←	Zero.
HOLD	Weighing hold.
PCS	Pieces - Counting function.

BASIC PARAMETER SETTING

Press and hold "MODE" + "→0←" together for 3 seconds until "= = = = = ="is displayed then release.   The following parameters can then be set.

Step	Operation	Display	Remark
01	Press MODE	"OFF 0"	Auto power off function: "0" means scale will never power off. The maximum setting is 60 minutes. *Press "→T←" and "→0←" to change data. *Press "MODE" to confirm and enter into next step.
02	Press MODE	"bp On"	Buzzer On or OFF setting *Press "→0←" to change data. *Press "MODE" to confirm and enter into next step.

03	Press MODE	"Pr. AB"	Backlight setting.
			
			A=0~2 can be selected.
			   0=backlight always off
			   1= when weighing and the weight is stable, backlight will turn off after the numbers of seconds set in the B setting below.
			   2= when zero displayed the backlight is off; when weighing and the weight is stable the backlight is on.
			
			B=1~9 means 10~90 seconds of backlight (only when A=1 is selected above.)
			
			Ex: B=1, means backlight stays on for 10 sec.
			*Press "→ T←" to change data A, press "→0←" to change data B.
			*Press "MODE" to confirm and enter into next step.

04	Press MODE	"-HoL-"	Upper weight limit setting. (*Press "MODE" to skip this step and enter into next step.) Press "→T←" to enter into upper weight limit setting. Screen will display "0"(upper limit setting) and "HI" symbols. Press "→T←" to enter into upper weight limit setting, "000000" will display; press →T← to select position and "→0←" to change data. Press MODE to confirm the upper limit setting.
	Press MODE	LO	Lower weight limit setting. Press MODE to enter into lower limit setting. Screen will display "0" (lower limit setting) and "LO" symbols. Press "→T←" to enter into lower weight limit setting, "000000" will display, press →T← to select position and "→0←" to change data. *Press "MODE" to confirm and enter into next step.
	Press MODE	Spt 1	Upper weight limit and lower weight limit settings. Lower weight limit >20d; Upper weight limit=Max. capacity. X=1 means after stable status, data sent out.
05	Press MODE	"PLo 20"	Rechargeable battery use setting. *Press "MODE" to skip this step and enter into next step. Press "→0←" to change setting digits (0%~40% can be selected). Ex: 20% means when rechargeable battery indicator is < 20%, scale will power off automatically. *Press "MODE" to confirm and enter into next step.
06	Press MODE	"LCd 5"	LCD brightness setting. Number 3~15 can be selected where 15 is the brightest. *Press "→T←" and "→0←" to change data. *Press "MODE" to confirm and enter into next step.

INTERNAL PARAMETER SETTING

Parameter setting:
Press and hold "MODE" + "→T←" together for 3 seconds until "= = = = = =" is displayed then release. The following parameters can then be set.

Step	Operation	Display	Remark
		CAL SP	Calibration status setting
01	Press MODE	"– SET –"	Enter into parameter setting.
02	Press →T←	'd XX'	Press "→0←" to cycle through the settings. Press "MODE" to confirm and enter into next step Pressing **[MODE]** display the maximum capacity **"n XXXX"** Press "→0←" to cycle through the settings. *Press "MODE" to confirm and enter into next step.

03	Press MODE	"Ut ABC"	A =zero range when power on, 1~9 means 10%~90% FS to zero. B= zero tracking range, 1~9 means (1~9) x0.25d for tracking range. C=zero display according to the division setting, C=1 means when the weight<1d, display will show zero. Press "→T←" to select position and press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.

06	Press MODE	"bUF SAB"	Weighing speed response
			S: 0=common; 1= speed up (AD internal calculation speed.)
			A: stable display parameter setting:
			    Setting range:0、1、2、3, response speed: 0>1>2>3.
			B: weighing stable status display:
			  0=fast; 1=stable display; 2=slow; 3=after stable display.
			Press "→T←" to select position and press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.

07	Press MODE	"- HoLd -"	Weighing stable locking setting. Press "→T←" enter into "FLTO X" weighing stable lock setting. X=0: unlocking; X=1: locking after common stable; X=2: press "→0←" to lock and unlock; X=3: weight value of buzz locking, press "→0←" to unlock. Press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.
	Press MODE	"FLT1 X"	Locking time setting (only FLTO=1 effective). X=0 means after stable locking. X=1~9 means after weighing stable 1~9 seconds locking. Press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.
	Press MODE	"FLT2 X"	Unlocking time setting (only FLTO=1 effective). X=0 means when weight <20d, unlocking after stable. X=1~9 means after weighing stable 1~9 seconds locking. Press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.
08	Press MODE	"- InTE -"	Weighing round number setting
	Press →T←	"n1=00"	N1=00~99 (round number range) can be selected. Press "→T←" to select position and press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.
	Press MODE	"n2=0"	Valid time setting. Over this valid time, real weight will display. *Press "MODE" to confirm and enter into next step.

	Press MODE	"- Zero -"	Zero weight change tracking. When in weighing stable status, changing weight< setting weight, original weight will maintain, false operation.
09	Press →T←	"E1=0"	Division setting: E1=0.0d, setting range:0.0d~2.0d can be selected. press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.
	Press MODE	"E2=0"	Valid time setting. (0`9 can be selected) press "→0←" key to change data. *Press "MODE" to confirm and enter into next step.
10	Press MODE	- PASS -	Press →0←, return back to weight mode (modify done)
11	Press →0←	0.000	Return back to weight mode.

CALIBRATION

Press MODE and "→T←" together for 3 seconds till "= = = = = ="display then release, parameter as follow will show on the display.

Step	Operation	Screen Display	Remark
01		CAL SP	Calibration status setting
02	Press →T←	CAL 0	Enter into calibration status.
03	Press MODE	1. - - - - - -	Entering auto zero calibration, after then indicator show the max. capacity ex:15000g.
04	Press MODE	XXXXXX (eg:10000g)	When Max. Capacity weight display, ex: 15000g. Load the test weight (≥1/3 max. Capacity), ex: 10000g. After stable symbol "STB" display, Press →T← to select digit position and press →0← to set the digits from 0~9.eg:10000g. Press MODE to confirm.
05	Press MODE	- - - - - -	Handling relative weight
		10000	The weight should be same as the test weight, if not, please do the calibration again as per the above steps.

BASIC INFORMATION DISPLAY

Press MODE and "→T←" together for 3 seconds till "= = = = = ="display then release, parameter as follow will show on the display.

Step	Operation	Screen Display	Remark
01		"CAL SP"	Calibration status setting
02	Press →T←	"-SEt-"	System parameter setting.
03	Press MODE	"-A-D-"	AD data
04	Press →T←	"33511"	Current AD inner number
05	Press →0←	"bU=6.78"	Current battery

06	Press →0←	"bPt .100"	Current battery percent.
07	Press MODE	"0.000"	Return back to weight mode.

WEIGHING UNIT

In the weighing mode, press MODE key once to cycle through the units to change to g/kg/Lb/oz PCS.

COUNTING FUNCTION

This mode is used to count the number of pieces of an item placed on the pan. To ensure accuracy, the parts to be counted must be consistent in weight. The scale uses a sampling method to determine the average weight of items to be counted.

How to enter the Counting mode

Press the MODE key once to cycle through g/kg/Lb/PCS until the PCS icon is displayed. When "n 0" is on the screen, then the scale is in counting mode.

How to Count

Place a sample size of the item you wish to count on the pan (ex 50 pieces). After the icon is displayed, press and hold the MODE key for three seconds. The display will read "000000" and the "PCS" icon will be active.   Press "→T←" to select the position and "→0←" to set the sample size until the display reads "000050". Then press MODE to see "n 50" displayed.   You may need to add more items if you get the "Err 11" code since the weight of the item may be too light, or out of the test range.

*Press MODE return back to weighing mode.

ERROR MESSAGES

Error 1: Accuracy setting too high

Error 2: Zero Tracking wrong, check whether load cell is damaged.

Error 3: Out of the display range

Error 4: Inner code is 0 error

Error 5: Over load, over the setting range or display "------"

Error6: Cannot zero.

Error7: Cannot tare.

Error8: Cannot accumulate.

Error9: Cannot changing weight unit.

Error10: W/O connection to the battery or battery damage.

Error11: Weight of the item being counted is too light; outside of the detectable range.

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