

# **VEVOR<sup>®</sup>**

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## **Counting Scale USER MANUAL**

**MODEL: KF-H2C / KF-H2D**

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# VEVOR<sup>®</sup>

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## COUNTING SCALE

**MODEL: KF-H2C / KF-H2D**



(The picture is for reference only, please refer to the actual object)

### **NEED HELP? CONTACT US!**

Have product questions? Need technical support? Please feel free to contact us:

**Technical Support and E-Warranty Certificate**  
**[www.vevor.com/support](http://www.vevor.com/support)**

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

## A. Main Technical Function.

### 1. Function:

Auto zero; Counting; ADD; TARE; Backlight

### 2. Power:

AC 220-240V ( $\pm 10\%$ ) 50Hz  $\pm 1$  Hz

AC 110V ( $\pm 10\%$ ) 60Hz  $\pm 1$  Hz

DC 6V / 4AH rechargeable battery


### 3. Power consumption

DC 38 mA

DC 58 mA (with backlight)

### 4. Watt: 0.4W (with backlight)

### 5. Low power alarm

When it show (  ), means need to charge. If keep still using, it's easy to broken the scale.

## B. Technical Data

### Capacity 1:

capacity	(n)	(e)	(d)	(max)	(min)	zero	Tare(max)	Overload(max+9e)
15000.0g	15000.0g	0.5g	0.5g	15000.0g	10g	$\pm 300$ g	0~15000.0g	15004.5g
30.000kg	30.000kg	1g	1g	30.000kg	20g	$\pm 600$ g	0~30.000kg	30.009kg


Notes: FS= MAX WEIGHT ; d=division

### Additional remark

When the division  $\geq 1$ g, generally the unit is KG(e.g. 1g, 2g, 5g ),When the division  $< 1$ g, generally the unit is G(e.g. 0.1g, 0.2g, 0.5g)

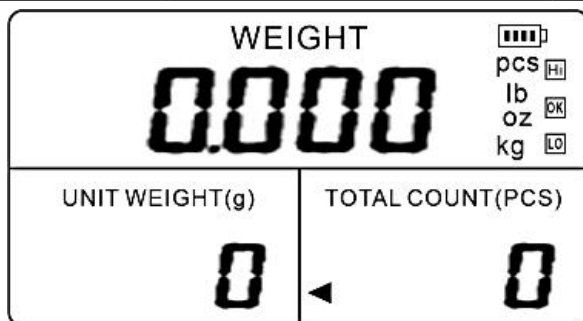
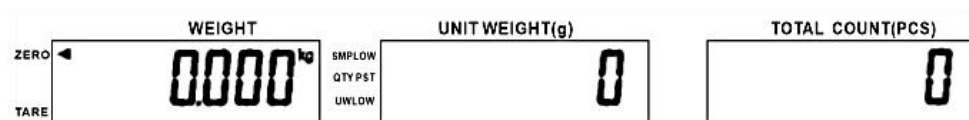
## C. Operation instruction.

### 1. Before using

- (1).Please put the scale on a flat and firm place. It can tighten or loose the four feet to make sure on the same level. there is a level ball on it.
- (2).Do not use it in hostile environments like strong wind and sunshine.
- (3).Please use the power supplier alone.
- (4).Don't put anything on the plate when you turn on.
- (5).When weighing, please try you best put the good on the center of the plate, don't over it.
- (6).Turn on the scale after 15-20 Minutes weighing is more better.
- (7).Show (  ), need to charge first.

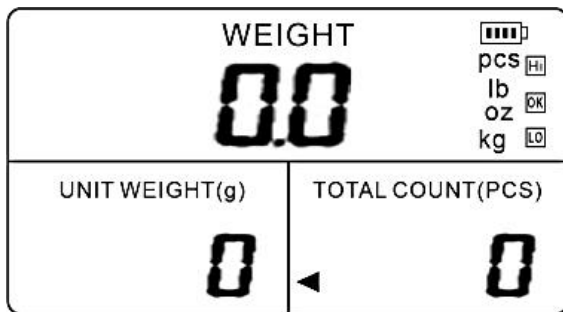
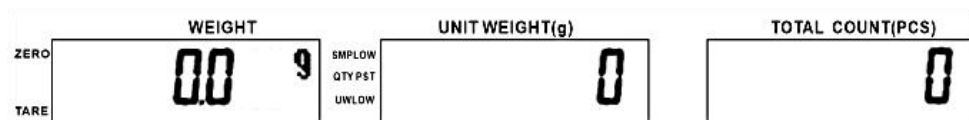
### 2. Dispaly:

A: When the unit is KG, the Weight will display 0.000 as picture:



or

B:When the unit is G, the Weight will display 0.0 as picture:



or

### (1).WEIGHT

6 digital for the goods weight and add weight and the left digital can display[- ].

### (2).UNIT WEIGHT

5 digital for the unit weight and times of add .the point is can change.

### (3).QUANTITY

6digital for the pieces of the goods.

## 3. Symbol“◀ ”

(1). or Net or Tare: means has been cut the weight of packing

(2). or Zero: means no weight.

(3).+ or M+: means ADD.

(4). or Stable or ~) : Means on stable .

(5).SMPLOW: means sample is not enough. the weight of the sample on the plate is less than the weight of min sample, please add the pieces unit this symbol disappear.

(6).QTY P&T UWLOW: When the pcs is low as you set, it will alarm and QTY P&T UWLOW◀ .

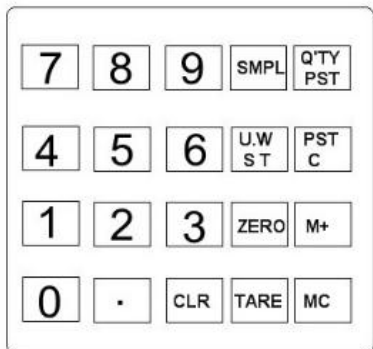
(7). : Means the power is low, need to charge.

## Remark

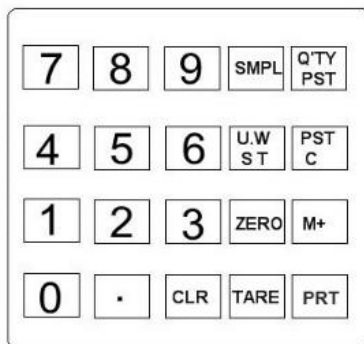
High precision counting scale: Min sample weight = 20d Min unit weight = 0.2d ( d=division)

counting scale: Min sample weight = 40d Min unit weight= 0.8d ( d=division)

## 4. KEYBOARD



OR



(Without RS-232)

(with RS-232)

### 4.1 Composite key function description

• +Number keys (0—2) convert units.

• +Numbers keys (4—6) adjust the brightness.

Q'TY PST + M+ set the upper and lower limits of alarm. Long

Press Q'TY PST to enter the alarm setting, Press 0 to close, Press 1 to set the outside of the upper and lower limits of alarm, Press 2 to set the inside of the upper and lower limits of alarm, Press 3 to set the upper limits of alarm, Press M+ to confirm.

### 4.2 Function key

SMPL: When the unit weight is unknown, Set the number of items to be sampled;

UNIT W.T.: When the unit weight is known, Confirm the input weight;

Q'TY PST: Use this key to set the alarm value when a fixed number of alarms are required;

**CLR**  
**PST**: Disable alarm function;

**M+**: Add up the quantity of goods;

**MC**: Cancel the total amount of the accumulated items;

**T**: Remove the weight of tare;

**Z**: Return the scale to zero as far as possible;

**CLR**: Clear the number;

**RPT**: Print the current weight, single weight, quantity, and the cumulative data. (Note: with the RS232)

## 5. FUNCTION

### 5.1. ON-OFF Button

Put ON/OFF to “|” means turn on.

Put ON/OFF to “O” Means power off.

### 5.2. Backlight Auto

Press **[.]**, when it display “**CEnter**” press **[6]**, I will display “**Auto**”. Put the goods on the plate, weight >10d, the light is on auto, when it is zero, the light is off auto.

#### Light on all the time

Press **[.]**, when it display “**CEnter**” press **[5]**, it will display “**On**”, Light on all the time.

#### Light off all the time

press **[.]**, when it display “**CEnter**” Press **[4]**, it will display “**OFF**”, the light off all the time.

**When you turn off the scale, it will memory what you have choose**



### 5.3.Kg/g/lb unit choose

Press  , when is display“ **CEnter**” then press  0 , unit is “kg”.

Press  , when is display“ **CEnter**” then press  1 , unit is “g”.

Press  , when is display“ **CEnter**” then press  2 , unit is “lb”.

### 5.4.Counting

#### 5.4.1 Before counting, you need to get some samples to know the pcs or unit weight

##### (1) When the unit weight is unknown

Put the samples of relevant goods on the plate (the weight of each sample must be the same):

E.g. (A): when the unit is **G**, put 30pcs screws of each same weight on the plate, It will display:

Weight	Unit weight	Total count
[ 53.1g ]	[ 0 ]	[ 0 ]

Input the PCS “30” of the samples(Screws), it will display:

Weight	Unit weight	Total count
[53.1g]	[30]	[0]

Then press  SMPPL , it will display:

Weight	Unit weight	Total count
[53.1g ]	[1.77g]	[ 30 ]

At this moment you can continue to put the more goods (e.g.: screws) on the plate, the Total weight & Total count will change constantly, the unit weight won't be changed.

E.g. (B): when the unit is **KG**, put 30pcs screws of each same weight on the plate, It will display:

Weight	Unit weight	Total count
[ 0.053kg ]	[ 0 ]	[ 0 ]

Input the PCS “30” of the samples (Screws), it will display:

Weight	Unit weight	Total count
[0.053kg]	[30]	[0]

Then press , it will display:

Weight	Unit weight	Total count
[0.053kg ]	[1.766g]	[ 30 ]


At this moment you can continue to put the more goods (e.g. screws) on the plate, the Total weight & Total count will change constantly, the unit weight won't be changed.

## (2) Know the unit weight(e.g. screws)

**When you know the weight of one screw is 1.766g,**

A: if the unit is **G**, Input the unit weight 1.766,it will display:

[0.0g]	[1.766g]	[0]
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Then Press , and put the more goods(e.g:30 pcs screws) on the plate,

[53.0g]	[1.766g ]	[30 ]
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If at this moment you continue to put the more pcs, the Total weight & Total count on the window will change constantly, the unit weight won't changed.

B:If the unit is **KG**, Input the unit weight 1.766, it will display:

[0.000kg]	[1.766g]	[0]
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Then Press , and put the more goods(e.g:30 pcs screws) on the plate,

[0.053kg]	[1.766g ]	[30 ]
-----------	-----------	-------

Finally, when you take off all the goods on the plate, the unit window still displays value, you can press  .

# The sample is more ,the precision is more high

## NULL POINT

When you using the scale , sometimes the weight window is not [0.0], you can

press **ZERO** to make it into [ 0 .0] , Zero range =capacity × (± 4%)

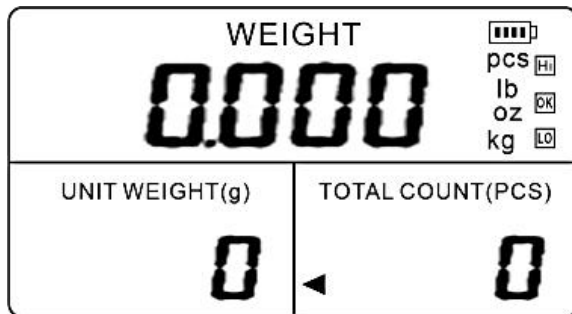
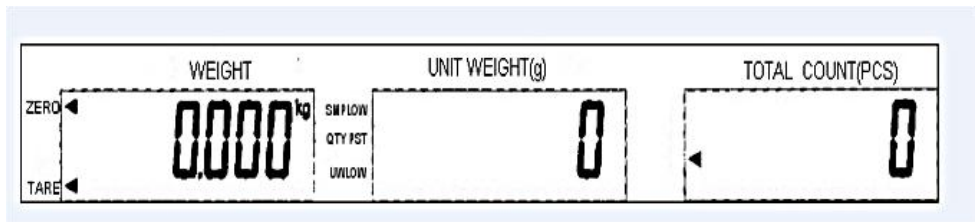
## 5.4.2 Counting goods have packing

(1).When the packing box /carton weight is unknown (e.g. the unit is **KG**)

a. Put the packing box of 500g on the plate, it will display

[0.500kg]      [0 ]      [0]

b. Press **TARE** , It will display



OR

At this moment you can follow 5.4.1 to continue the counting.

When the packing box /carton weight is unknown (e.g. the unit is **G**)


a. Put the packing box of 500g on the plate , It will display

[500.0g]      [0 ]      [0]

b. Press **TARE** , it will display:

[0.0g]      [0 ]      [0]

## Clear the TARE history

Take down the goods and package on the plate, the weight will be [- 0.500kg ] on the basis of KG or [- 500.0g ] on the basis of G , Press  , The weight will be [0.0], and this ◀ to TARE will disappear.

### (2).1-A. When the weight of packing box/carton is known (e.g. the unit is KG)

There is nothing on the plate, it display

[0.000] [0] [0]

The packing box is 500g, Input 500, it will display

[0.000] [500] [0]

Pres [TARE], it will display

[-0.500] [----] [----]

Then put that packing box on the plate, it will display 0.000(it means tared), and at this moment you start to follow the way of 5.4.1 for counting.


### (3).1-B. When The weight of packing box/carton is known (e.g. the unit is G)

There is nothing on the plate, it display

[0.0 g] [0] [0]

The packing box is 500g, Input 5000, it will display

[0.0g ] [5000] [0]

Press  , it will display


[-500.0g] [----] [----]


Attention: when weight window display “0.0”(it means the unit is G), input the weight of packing box must be 10 times of the actual weight. (e.g:500g package box, you need to input 5000)

At this moment you can firstly put that packing box, it will display “0.0” on the basis of G or “0.000” on the basis of KG, it means both are tared. Then start to follow the step of 5.4.1 to continue the counting.

There is some goods including the packing box/carton on the plate.


E.g. Packing box is 500g, on the basis of KG, packing box(500g)+goods(30PCS screws)= 0.553kg , it will display  
[ 0.553kg] [0] [0]

Input the weight 1.766 of one screw, press , it will display  
[0.553kg] [1.766g] [313]

Input 500( packing box is 500g),press , it will display  
[0.053kg] [1.766g] [30]

E.g. Packing box is 500g, on the basis of G, packing box(500g)+goods(30PCS screws)= 553.1g , it will display


[ 553.0g] [0] [0]

Input the weight 1.766 of one screw, press , it will display  
[553.0g] [1.766g] [313]

Input 5000( **actual packing box is 500g**), Press the key , it will display  
[53.0g] [1.766g] [30]

Attention: When weight window display “0.0” (it means the unit is G), input the weight of packing box must be 10 times of the actual weight.(e.g:500g package box, you need to input 5000)

### Clear the TARE history



Take down the goods and package on the plate, the weight will be [-0.500kg ], press ,The weight will be [0.0].

## 5.5. ADD

99Times ADD, 6 Digital

### 5.5.1 Quantity ADD of repeatedly counting

#### 5.1.1.1 PCS ADD

Put the goods on the plate ,follow as 5.4.1 counting, then press , Repeat 5.1.1.1, then press , on the unit weight window will show [2] , it means, 2

times ADD. THE Total COUNT(PCS) will show the two times pcs.(e.g. put 10pcs screws on the plate, input 10,press SMPL, press **M+** one time, then take off 10pcs screws, put again another 10 pcs screws, press **M+** again. The total count will display that 20 pcs that they are 1<sup>st</sup> time's and count of 2<sup>nd</sup> time's, of course, the total weight is 1<sup>st</sup> time +2<sup>nd</sup> time)

When you finish the counting of all goods, there is no goods on the plate, Press **M+** to check the total weight and times and quantities. Press **MC** and **CLR** to clear the ADD history.

### 5.5.2 Weight ADD

#### E.g. the unit is G

Put the goods on the plate like 500g, press **M+**

It will display [500.0] [1] [0] for 5 seconds, then to [500.0] [0] [0]

Then take off the goods, put another good s on the plate like 100g, press **M+**

It will display [600.0g] [2] [0] for 5 seconds, then to [100.0g] [0] [0].

But when you take off those goods, press **M+** again, you can just check the total value still is: [600.0g] [2] [0], of course, you can continue to put the new goods on it, press **M+** for counting.

**Finally when you finish ADD , there is no goods on the plate, Press **M+** to check the total weight .Press **MC** to clear the ADD history.**

#### E.g. the basis is KG

Put the goods on the plate Like 500g, press **M+**

It will display [0.500kg] [1] [0] for 5 seconds, then to [0.500] [0] [0]

Then take off the goods, put another good s on the plate like 100g, press **M+**

It will display [0.600kg] [2] [0] for 5 seconds, then to [0.100g] [0] [0].

But when you take off those goods, press **M+** again, you can just check the total value still is: [0.600kg] [2] [0], of course, you can continue to put the new goods on it, press **M+** for counting.

**Finally when you finish ADD, there is no goods on the plate, Press **M+** to check the total weight . Press **MC** to clear the ADD history.**

## 5.6. Quantity alarm

E.g. If over the goods of 30pcs on the plate, you want alarm.

Firstly Input 30 pcs, press **QTY PST** ,It will display

[0.000] [0] [30] for 3 second,

then display [0.000] [0] [0]

Put the goods on the plate, when counting(follow the way of 5.4.1 e.g: put 10pcs goods on the plate, input 10,press **SMPL** , then continue to put more goods on it),when the pcs over 30pcs it will alarm.

Press **PST C** and **CLR** to cancel quantity alarm.

## 5.7. Calibration

1.Turn on the scale, when the window displays “0”, input 52411 and press **TARE** key to enter into calibration mode.

2. Press **1** to choose max capacity, press **M+** to confirm, for example: 30kg,input “30000”, press **M+** to confirm

3.Press **2** to choose division, press **M+** to confirm, for example, when you press **2** continuously , it will display”1,2,5,10,”, then you choose the division you need. Then press **M+**.

4. Press **3** to choose position of point, after pressing constantly, it displays “0”、“1”、“2”、“3”、“4”、“0” , you can choose the position you need, then press **M+** to confirm. “0” means “0”, “1” means “0.0” “2” means “0.00”, “3” means “0.000”, “4” means “0.0000” (If you don’t need change capacity, division and point, you can could directly press **M+** to enter next step)

5. Weight window will show the data which poise will load on scale (If you what change load poise , you could input the data you will load on scale). press **M+** , the unit price window will display “LOAD”, then put load/weight , finally press **ZERO** to confirm.

## 5.8. Upper and Lower Limit Alarms

### 5.8.1 Selecting Alarm Types

Long-press the **QTY PST** key to enter the settings. The single weight window displays:


Pressing **0** shows OFF to disable, pressing **1** shows OUT for out-of-range alarm, pressing **2** shows IN for in-range alarm, and pressing **3** shows UP for upper limit alarm only. Press **M+** to save and exit.


Short-press the **QTY PST** key to set the quantity upper limit.


5.8.2 Inputting Alarm Values (Note: Long-press the **QTY PST** key to activate the alarm, same as the first step above)

Short-press the **QTY PST** key to enter settings, displaying (A-FF-O-dn). Choose and input the lower limit value, then input the upper limit value. The weight window displays alarm types: A-OUT indicates out-of-range alarm, A-IN indicates in-range alarm, A-UP indicates upper limit alarm only.




A. When the quantity window displays DN, input the lower limit value, press  to confirm and proceed to the next step.

B. When the single weight window displays UP, input the upper limit value, press  to confirm and exit.


5.8.3 Press  To deactivate the alarm and reset the upper and lower limit values.

## **5.9. Printing Function (Note: with the RS232)**


### **5.9.1 Single Print**

When the weight is not zero, press the  key to print the current weight, single weight, and quantity.

### **5.9.2 Add Print**

When multiple weights are accumulated, press the  key to directly print the accumulated information. After finishing, the cumulative data is automatically cleared.

## **6. RS232 Connection Computer (Note: with the RS232)**

Through the RS232 line to connect the electronic scale with the computer successfully, press the  key to send the current weight, single weight, and quantity.

## **7. Attention:**

1. Keep away from the rain and washing by water (if it happen, please dry it, and find it can not work, return to the seller to repair).
2. Please do not store in the high temperature and wet place.
3. Do not let insect into the body.
4. Do not heavy shock and overload.
5. No need using for long time. please clear it, and take it into the bag, and charge it each 3 months. Recharge it before using .

6. If you have good advise please feel free to tell us.

## 8.Common trouble shooting:

No	TROUBLE	MEANS	REASON	ADVISE
1	Turn on ,show"LB " and alarm	LOW BATTERY(POWER)	Battery no power	RECHARGING
			Battery broken	change the battery
2	Turn on ,show"ED "	WEIGHING ERROR	LOAD CELL LINE SEALING -OFF	RE-SEALING
			LOAD CELL TOUCH WITH SOMETHING	CHECKING
			LOAD CELL BROKEN	CHANGE THE LOAD CELL
			PCB BROKEN	CHANGE THE PCB
3	Turn on ,hop counting	The weight window number on changing, cannot weighing	too WET	DRY the PCB and load cell
			TOO DURTY	take down the PCB, using Alcohol cleaning first ,then dry it
			LOAD CELL TOUCH WITH SOMETHING	CHECKING
			LOAD CELL LINE SEALING -OFF	RE-SEALING
			LOAD CELL BROKEN	CHANGE THE LOAD CELL
			PCB BROKEN	CHANGE THE PCB
4	When charging ,counting	The weight window number on changing, cannot charging	Adaptor	change the adaptor
5	Digital 8 not full show	Digital 8 not full show ,or less	electronic circuit short	using rubber-insulated wire link together
			LCD Broken	change the LED
			Drive broken	change the display board
6	key can not working	press the key can not working	the key be stucked	checking
			the key can not spring back	changing the key
			key electronic circuit short	using rubber-insulated wire link together
			PCB BROKEN	CHANGE THE PCB
			KEY BOARD CORRODE	CHANGE THE KEY BOARD
7	NO WEIGHT	no any weight	the load cell line and PCB link broken	checking

			LOAD CELL LINE SEALING -OFF	RE-SEALING
			LOAD CELL BROKEN	CHANGE THE LOAD CELL
			PCB BROKEN	CHANGE THE PCB
8	can not turn on	press the on/off button ,can not turn on	the ON/OFF BUTTON BROKEN	CHANGE THE ON/OFF BUTTON
			CHECK THE BATTERY POWER IS ENOUGH	LOW VOLT ,RECHARGE
				BATTERY BROKEN CHANGE IT ,V<5.25V
			PCB BROKEN	CHANGE THE PCB
9	when turn on DI DI DI sound all the time	when turn on DI DI DI sound all the time	CHECK THE BATTERY POWER IS ENOUGH	LOW VOLT ,RECHARGE
				BATTERY BROKEN CHANGE IT ,V<5.25V
			PCB BROKEN	CHANGE THE PCB
10	turn on the sound normal,but no words	turn on the sound normal,but no words	check the displaybord to PCB link is ok	turn off , relink the display board link
			display board broken	change the display board
11	turn on show"8"all the time	when turn on the scale,all the window show 8,can not weighing,and the sound it is normal	check the displaybord to PCB link is ok	turn off , relink the display board link
			display board broken	change the display board
12	can not recharge	When charging AC light is working,but can not charge	Adaptor	change the adaptor
		When charging AC light is not working,	Battery broken	change the battery
			adaptor	change the adaptor
			adaptor plug	take down recharging
			charging connect broken	change the connect part
			the charging connect to the PCB link off	re sealing
			PCB BROKEN	CHANGE THE PCB
Battery broken	change the battery			
13	no backlight for the LCD	Turn on ,there is no light for the LCD	power save function	reset the backlight on function
			check the LCD part if have sealing-off	RE-SEALING
			LCD Broken	CHANGE THE LCD

	<b>Items</b>	<b>Description</b>
1	Sales territory	North America
2	Name	Counting Scale
3	Model	KF-H2D
4	Parameter	Rating(s): AC110V/60Hz, Capacity: 30kg, Division: 1g, RS232

	<b>Items</b>	<b>Description</b>
1	Sales territory	North America
2	Name	Counting Scale
3	Model	KF-H2C
4	Parameter	Rating(s): AC110V/60Hz, Capacity: 30kg, Division: 1g, RS232

	<b>Items</b>	<b>Description</b>
1	Sales territory	Europe
2	Name	Counting Scale
3	Model	KF-H2C
4	Parameter	Rating(s): AC220-240V/50Hz, Capacity: 30kg, Division: 1g, RS232

	<b>Items</b>	<b>Description</b>
1	Sales territory	Australia
2	Name	Counting Scale
3	Model	KF-H2C
4	Parameter	Rating(s): AC220-240V/50Hz, Capacity: 30kg, Division: 1g, RS232

	<b>Items</b>	<b>Description</b>
1	Sales territory	North America
2	Name	Counting Scale
3	Model	KF-H2C
4	Parameter	Rating(s): AC110V/60Hz, Capacity: 30kg, Division: 1g

	<b>Items</b>	<b>Description</b>
1	Sales territory	Europe
2	Name	Counting Scale
3	Model	KF-H2C
4	Parameter	Rating(s): AC220-240V/50Hz, Capacity: 30kg, Division: 1g

	<b>Items</b>	<b>Description</b>
1	Sales territory	North America
2	Name	Counting Scale
3	Model	KF-H2C
4	Parameter	Rating(s): AC110V/60Hz, Capacity: 15kg, Division: 0.5g, RS232

**Manufacturer:** Shanghai muxinmuyeyouxiangongsi

**Address:** Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi  
Shanghai

**EC REP:** SHUNSHUN GmbH.

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**Imported to AUS:** SIHAO PTY LTD.

1 ROKEVA STREET EASTWOOD NSW 2122 Australia

**Imported to USA:** Sanven Technology Ltd.

Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

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