Coffee & Kitchen Scale

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VKC-3
User Manual Ver.1.1

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VISION TECH **SHOP**

Touch Key and Sketch of Auto Coffee & Kitchen Scale

① Weight Display Zone
② Weight of the Ground Coffee Placed
Coffee - g oz
Preset Ratio
③ Ground Coffee to Water Ratio
Water-ml/fl oz
⑥ Timer Display
⑤ Water Amount to be Added
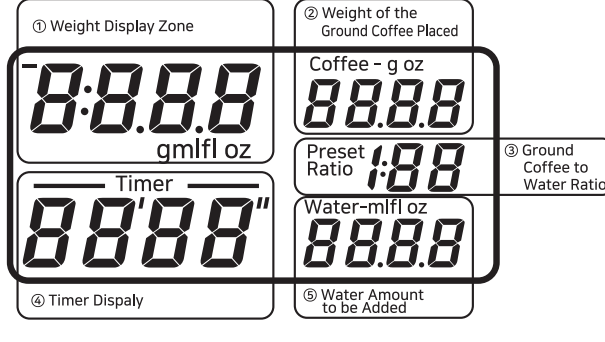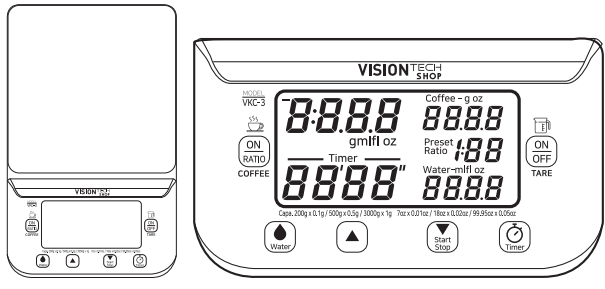
Zone NO	5 Display Zone in the LCD
1	Weight Display Zone
2	Weight of Coffee added
3	Preset coffee to water ratio
4	Timer Display
5	Water expected to add in

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1,0 Performance and Specification

Performance：

1. Coffee brewing guide: Base on the coffee added, the scale can figure out the volume of water needed for brewing a coffee of desired taste.
2. Choice of coffee to water ratio for brewing different kind of coffee.
3. Process monitoring, when water is pouring in, a beeper will alert and then alarm user to stop when required amount is filled.
4. Timer function from 00'00" up to 59'59" guiding users to "soak" and brewing.
5. Can be powered by dry cells (AA x 3), or any cell phone charger.
6. Also can operate as an ordinary kitchen scale of multi units. g, oz, ml, floz, Lb, Lb:oz
7. LCD back light, auto shut off, Tare and low battery alert features.

Scale Specification：

1. Capacity: 0.1oz-7.00oz d=0.01oz / 7.00oz-18.00oz d=0.02oz / 18.00oz-99.95oz d=0.05oz 2g-200g d=0.1g / 200g-500g d=0.5g / 500g-3000g d=1g, 6.6lb d=0.01lb
2. Starting Weight: 0.10oz / 2g / 0.2lb
3. Maximum Capacity: 99.95oz / 3000g / 6.6lb

2,0 Touch Key Function

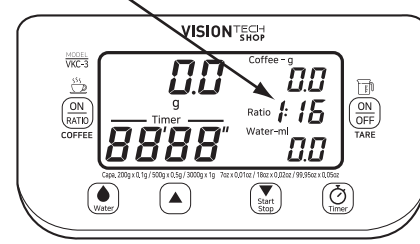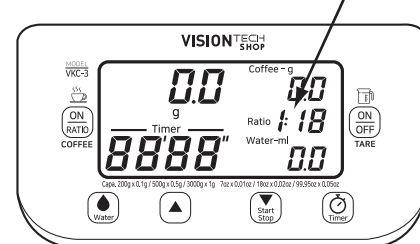| Touch Key	Function
On/off / Tare	Switch On, Switch Off, Tare
Brew Coffee	Start the Coffee Function, Adjust the Coffee to Water ratio
Water	Start the water measurement (weighting)
Preset/Timer	Press and hold to start the Down (reverse) timer setting
▲	Press: to add the displayed value
▼ START/STOP	Press: to hold the Up or Down Timing
	Press and hold: to reset the Timer display (back to 00'00")
	Reduce the display value in setting mode
UNITS (located at the bottom)	Press to toggle unit of measurement. g → oz, Kitchen Mode: g, ml, floz, oz, Lib, Lib:oz
	When you touch any key is activated, the scale will respond a "D" act to confirm the activation is successful

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3,0 To trigger the Timer Function

3.1 Up Timer (begin with 00'00"): press the "▼" key once will trigger the Up Timer. During the up counting, press the "▼" key once again will hold up the counting; press the key again the counting will resume from where it was. When the counting is held, the Timer display will blink to show that the counting is interrupted,. Anytime press and hold this key for 2 seconds, the Timer will reset to 00'00".

3.2 Down Timer preset: Press and hold the "Preset/Timer" key for 2 seconds, the portion "minute" will blink, then press the "▲" or "▼" key to reach the desired number (0 - 99'); press the key again to confirm the minute setting. Then the portion "second" blinks and press the "▲" or "▼" key to reach the desired number (00"-59"), Press the "Preset/Timer" key again to complete down timer setting; Yet the timer display will stay blinking.

3.3 Down Timer start up: Press the "▼" key once to start down timer, During the counting, press the "▼" key once will hold up the counting; press the key again the counting will resume from where it was, When the counting is held, the Timer display will blink to show that the counting is interrupted, Anytime press and hold this key for 2 seconds, the Timer will reset to 00'00". After the down counting is completed the display back to 00'00" blinkingly and the beeper will alarm for 1 minute. To cease the alarm user can press the "▼" once and the display will also stop blinking.

3.4 Timer Reset: When the scale is switched on, the Timer is default to show 00'00", The previous Down Timer Setting will not be kept, By press and hold the "▼" key for 2 seconds can reset the Timer to 00'00" anytime.

4,0 Coffee Brewing Procedure and Water Ratio

4.1 Notes about brewing coffee with this scale: Be sure to place the scale on a firm and level table; select from the scale the desire coffee to water ratio and unit of measurement, Place the brewing fixtures on the scale platform and make sure they are stably stack up, Finally press the "Coffee" key — add in coffee powder — Press the "Water" Key — pouring in water until the scale alarm you to stop, User also can preset the down timer because it could help maintaining the same brewing timing for a consistent taste.

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4.2 Coffee to water ratio: This scale has 2 default coffee to water ratio, 1:16, 1:18 and a user preset. When the scale is turned on in coffee brewing mode (by pressing the "coffee" key), the ratio is always 1:16 (please refer to figures below). Press the "coffee" key once for other ratio, The ratio display in sequence are 1:16 → 1:18 → Preset → 1:16 (from 1:10 to1:30), User "Preset" enable a choice from 1:10 to 1:30; please refer to sec 7,0 for details

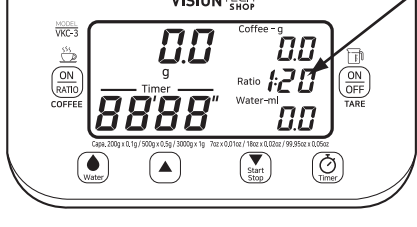Coffee to Water ratio **1:16** shown as the scale is turned on

Press the "Coffee" key once more to change the ratio to **1:18**

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Press "Coffee" key again to change to preset ratio, which starts from default **1:20** or the previously preset ratio


5,0 Adding Coffee and Preparation beforehand

5.1 If the user ask for a non-default coffee to water ratio, or the unit displayed is not the expected (Metric or US), please preset a value beforehand, Afterwards place the brewing fixtures on the scale platform steadily and press "Coffee" key once to start the scale in Brewing mode.

5.2 This is the initial display in Metric and ratio is **1:16**


06
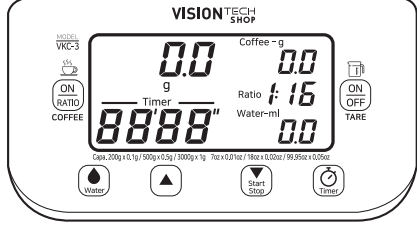
5.3 This is the initial display in US and ratio is **1:16**
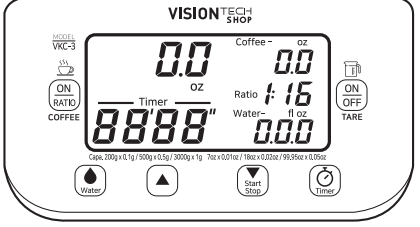
If ① zone does not show 0,0 when turned on, press ON/OFF/ Tare key once to reset to 0,0. do so whenever needed during the process.

5.4 Begin to add coffee powder to the funnel; For example when "g" unit and 1:16 ratio is selected; after 25g coffee is placed to the bin, zone ① and ③ will display 25g and zone ⑤ will show 400ml, Please refer to figure below:


07
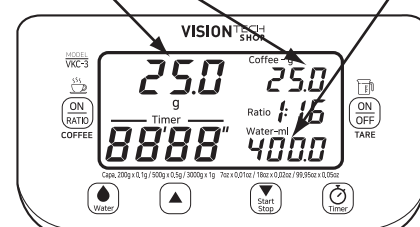
6,0 Brewing and Coffee Soaking：

6.1 Adding Hot Water: Press the "Water" key once to begin the water adding mode and zone ① will display 0,0ml, then start pouring hot water to the coffee funnel,and zone ① will show how much water has poured continuously, Users are advised to pour water to the funnel evenly and slowly.

6.2 After some 2 to 3 g of water is poured to the funnel, the scale will sense the weight changes and trigger the Up Timer to count** Also the beeper will alarm "D~0" once every 30 seconds,

6.3 When added water is close to the specified volume in zone ⑤, (Above figure is an example: the specified volume is 400ml, after 350ml is added, about 50ml more to finish) , Beeper will change the alarm to "D~0~0~0~0~0", at this point user should pour water even slower to prevent from over shoot, When volume added reaches 400ml, Beeper will alarm continuously, telling users to cease pouring (The beeper will alarm for 15seconds, To cease the alarm immediately, press the "Hot Water" key once) and the brewing is completed, ** To coffee lovers, they generally believe that in order to release the most favor and aroma from the coffee, shoud let the ground coffee soak with a little bit water for 30 to 60 seconds before brewing, Then continue to pour in water until the specified volume is reached.

6.4 If user want to continue brewing after the first run, just empty the coffee funnel and clear all the coffee in the Jar, Press and hold the "Coffee" key for about 3 seconds and the corresponding display zone will return to previous display (as shown below), Thereby user can add coffee and brew again.

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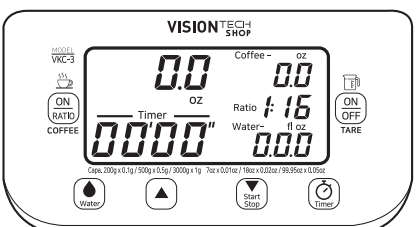
7,0 To preset the desired Coffee to Water Ratio

7.1 When the scale is at OFF status, press and hold the "Coffee" key for 2 seconds and zone ③ will display the default ration **1:20** as shown in below figure.
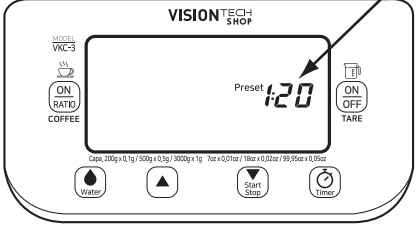

7.2 Then press "▲" or "▼" key to change the display value until the desire ratio is shown, (available ratio varies from 1:10 to 1:30), Press "Coffee" key once again to confirm the input and the panel will show "Set 1:XX" then switch off automatically, Below figure showed a preset of **1:22**

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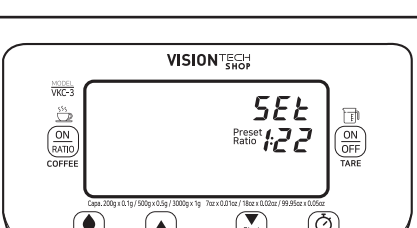
7.3 Preset ratio (for example 1:22) will store in the program until the scale is out of power (say during battery replacement), The ratio will back to default **1:20**

8,0 Features and Operation as a Kitchen Scale

8.1 Press hold the "ON/OFF TARE" key for 2 seconds to start the Kitchen mode, The display will be as shown below, In Kitchen mode only the "ON/OFF TARE" key, "Start/Stop▼" key and the "Unit" key (at bottom) can function, other keys are not operative.
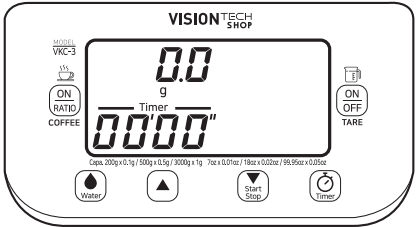
8.2 The Features and Key function in Kitchen mode are listed below:
Switch on the scale : Press the "ON/OFF TARE" key once to turn on the Kitchen scale mode.
Switch off the scale : Press and hold the "ON/OFF TARE" key for 2 seconds.
TARE : To clear the reading in the screen during measurement, press the "ON/OFF TARE" key once will clear the reading to 0,0

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Unit Change : To change the measurement unit, press the "Unit" key (at bottom of the scale) once, The units display in the screen are: g, ml, floz, oz, Lib, Lib:oz — in sequence.

Bottom

Unit Key
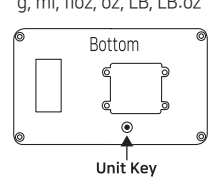
To start the Timer : Press the "Start Stop▼" key once to start the timer; press this key once again to hold or to resume the timing, When the timing is on hold, the display is blinking, However the scale will auto shut off when the timer is on hold for more than 10 minutes, Timer will keep working to reach 59'59" even when the scale is auto shut off, To stop and clear the timer, press and hold the key for 2 seconds,

Auto Shut Off : the LED backlight and/or the Scale
When the scale is turned on and without any operation, the LED backlight will turn off in 2 minutes and the scale will switch off in 5 minutes, Any operation taken before the scale shut off (like adding weight, Tare or triggering the timer etc.) will turn on the LED backlight and continue the scale function, When the timer is going, the LED backlight will keep on.

9,0 Use and Precaution of Battery Charger

9.1 This scale can be powered by any Mobile phone charger/adaptor (of output 5 to 12Vdc), An USB Type-C socket is located at the rear of the scale; just plug in the enclosed USB cable with a cell phone charger to power up the scale.

9.2 Alternatively, the scale can also be powered by 3 AA battery (included); just insert them to the battery compartment correctly and the scale will be operative.

9.3 For energy saving and safety purpose, when the scale is not in service for long, unplug the charging cable and the charger; When the rechargeable battery is worn out, dispose of or recycle the battery per government instruction for the sake of environmental friendly.

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