

truweigh 



ELEMENT

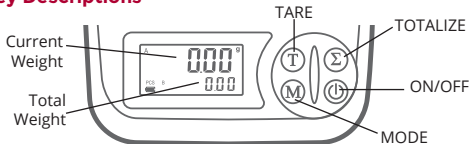
USER GUIDE

Thanks for purchasing the ELEMENT E-Liquid Scale! This User Guide is designed to get you up and running quickly with your scale. Scales are precision instruments and require proper care and skill to get the best results. If you have questions or need support, visit us at <http://www.truweigh.com/support> or scan the QR Code on the back of this manual using your smartphone.

What's In The Box



Key Descriptions



⏻: ON/OFF - Turns the scale ON or OFF.

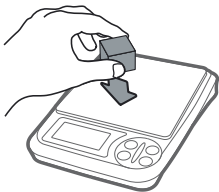
M: MODE - Changes the weighing unit.

Σ : TOTALIZE - Adds the current weight to the total weight display. Hold to clear the total display.

T: TARE - Zero's the scale. Also subtracts the weight of an empty container (see Tare Function).

Weighing Your First Item

1. Press the **ON/OFF** key to turn the scale on.
2. Place the item on the center of the weighing platform.
3. Take your reading from the display. You can press the **MODE** key to convert between weighing units.
4. The scale's auto-off function will turn the scale off after 3 minutes of inactivity by default. See **Auto-Off** for instructions on changing or disabling the timer.



Things To Avoid



Unlevel Surfaces



Radio Frequency Interference



High Humidity



Air Currents



Vibration



Extreme Temps

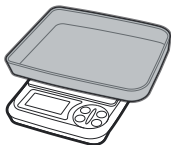
E-Liquid Safety



Concentrated nicotine is highly toxic and can cause illness or even death if handled improperly. Be sure to double check your calculations before mixing your own e-liquids and follow all precautions listed by the supplier.

Tare Function

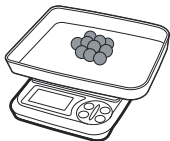
The Tare function allows you to subtract the weight of a container so that the display only shows the weight of the contents.



Place an empty tray or container on the platform.



Press the **TARE** key to subtract the container's weight.



Add items to the container to see their weight on the display.



NOTE: The weight of the container will subtract from the available capacity and leave a negative value on the display once the weight is removed. Press the **TARE** key again to return the display to zero.


Auto-Off

By default, the scale will auto-off after 180 seconds of inactivity. To change or disable the auto-off timer:



1. With the scale off, press and hold the **MODE** key then tap the **ON/OFF** key to turn the scale on.
2. While still holding the **MODE** key, tap the **ON/OFF** key 5 times or until the display shows the current auto-off setting, then release.
3. Press the **MODE** key to change the auto-off setting between 180 sec, 120 sec, 60 sec, or 0 sec (auto-off disabled).
4. Press **ON/OFF** to turn the scale off when finished.

Totalization



The totalization feature allows you to obtain the sum of a series of weight measurements. This is useful for e-liquid mixing and weighing ingredients.

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1. Place an empty container on the platform and press the **TARE** key to zero out current weight.


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2. Add the first ingredient to the container


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3. Press the **Totalize (Σ)** key to add the current weight (A) to the total weight (B). The current weight will then reset.


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4. Add the next ingredient to the container


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5. Press the **Totalize (Σ)** key to add the current weight (A) to the total weight (B). The current weight will then reset.


6. Repeat steps 4 and 5 for the remaining ingredients.

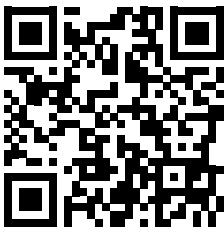
NOTE: The total weight may not exceed 500g.



To clear the total, hold Σ for ~3 sec.

Online E-Liquid Calculator

Scan this QR code with your smartphone for an easy to use online e-liquid calculator:



Or visit the URL below:

<http://www.steam-engine.org/elscale>

Accuracy

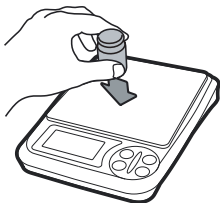
Your scale comes calibrated from the factory and most users won't need to calibrate their scale for a long time. You should check your scale's accuracy periodically using calibration weights and perform calibration if necessary.

NOTE: Only use trusted calibration weights. Household items such as bottles and cans with weights printed on the side are not suitable for checking accuracy as these values are approximate and don't include the container weight (Net Weight).

Calibration

Calibration adjustment is permanent and should only be performed using accurate calibration weights that match the requirements for your scale (see the chart on back). Do not use coins or other household items to calibrate.

1. Prepare two 200g calibration weights (included).
2. Find a flat and level surface to perform calibration and let the scale adjust to room temperature.
3. Press **ON/OFF** to turn the scale on and wait for the scale to stabilize.
4. Press and hold the **MODE** key until the display shows 'CAL'.
5. Make sure nothing is on the platform then press **MODE** to confirm the zero point.
6. The display will then flash "200g".
7. Place a 200g calibration weight on the center of the platform.
8. The display will then flash "400g".
9. Place a second 200g calibration weight (400g total) on the center of the platform.
10. The display will show 'PASS' then return to normal weighing mode. You may now turn the scale off or continue weighing.



Specifications

EL-500-01

Max Capacity

500 g / 17.627 oz / 16.075 ozt/ 321.51 dwt /
2500.00 ct / 7716 gn

Readability

0.01 g / 0.001 oz / 0.001 ozt / 0.01 dwt / 0.05 ct
/ 0.2 gn

**Weighing
Units**

g, oz, ozt, dwt, ct, gn

Dimensions

Overall: 4.8 in x 6.0 in x 1.4 in
Platform: 4.0 in x 4.0 in
Display: 0.8 in x 1.5 in

**Calibration
Weight**

200g, 400g (two 200g included)

Power

3 x AA Batteries or 5V DC USB to 3.5mm Adapter
(both included)

Warranty

10 Year Limited Warranty

For more information, including
weighing tips and support, scan
this code with your smartphone

Or visit us online at
truweigh.com/support/

