# truweigh™

Thanks for purchasing the ECHO Digital Milligram 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 **truweigh.com/support** or **scan the QR Code** on the back of this manual using your smartphone.

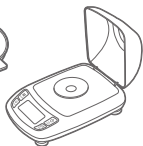## What's In The Box

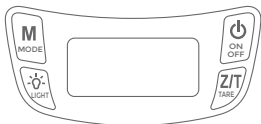| User Guide | Three AAA Batteries | Two 20g Cal Weights | Weighing Pan | ECHO Digital Milligram Scale |
|---|---|---|---|---|



## Key Descriptions
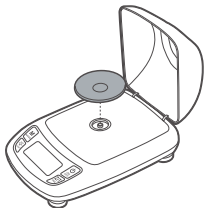


**M : MODE** - Changes the weighing unit.

**☼ : LIGHT** - Turns the backlight ON or OFF.

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

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

### Installing The Weighing Platform

Be sure to install the weighing platform before using the scale. To install the platform, place the platform on the attachment point located in the hole in the center of the top panel. Insure that the the bottom peg aligns with the hole on the center of the attachment point.

### 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 Auto-Off feature will turn the scale off after three minutes of inactivity or you can press the **ON/OFF** key to turn the scale off.

### Things To Avoid

**Unlevel Surfaces**    **Radio Frequency Interference**    **High Humidity**

**Air Currents**    **Vibration**    **Extreme Temps**

## 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 will leave a negative value on the display once the weight is removed. Press **TARE** again to return the display to zero.

## Accuracy

Your scale comes calibrated from the factory and most users wont 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.
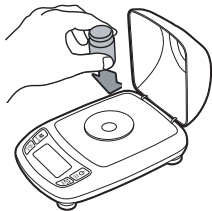
**NOTE:** Only use trusted calibration weights. Household items such as bottles and cans with weights printed on the side are not suitable for checking accuracy as these values are approximate and don't include the container weight (Net Weight).

## 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 the included 20g calibration weights.
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 "20.000g".
7. Place the first 20g calibration weight on the center of the platform.
8. The display will then flash "40.000g".
9. Place the second 20g calibration weight (total of 40g) on the center of the platform.
10. The display will show 'PASS' then return to weighing mode. Calibration is complete.

## Specifications

| | ECH-50-001 |
|---|---|
| **Max Capacity** | 50 g / 1.7634 oz / 1.6075 ozt/ 32.151 dwt / 250.000 ct / 771.62 gn |
| **Readability** | 0.001 g / 0.0001 oz / 0.0001 ozt / 0.001 dwt / 0.005 ct / 0.02 gn |
| **Weighing Units** | g, oz, ozt, dwt, ct, gn |
| **Dimensions** | Overall: 5.1 in x 3.5 in x 2.4 in<br>Platform: Ø 1.6 in<br>Display: 0.7 in x 1.4 in |
| **Calibration Weight** | 20g, 40g (two 20g included) |
| **Power** | 3 x AAA Batteries |
| **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/**