CTS 600

USER MANUAL
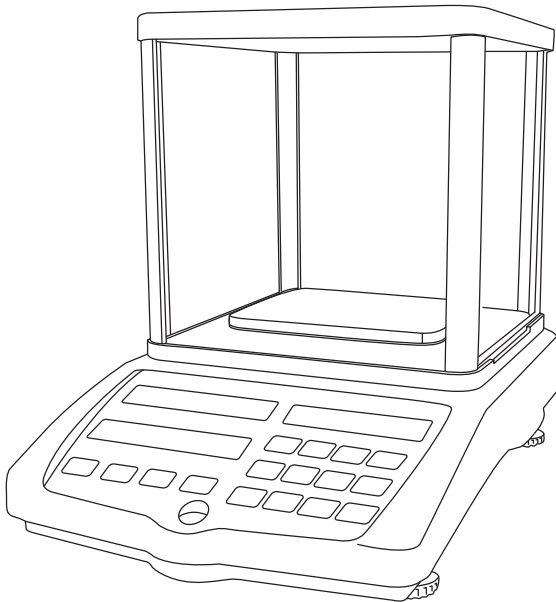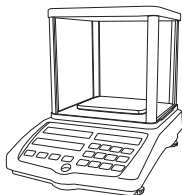
CTS 600

USER MANUAL

ENGLISH

Capacity
600g x 0.01g

Thank you for purchasing the My Weigh® CTS-600™ digital scale. Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service. For more information please visit **www.myweigh.com.**

Never load the scale with more than the maximum capacity. Although the CTS-600™ is designed to be extremely durable with extra overload protection built into the case, overloading will permanently damage it! Avoid any exposure to extreme heat or cold, your scale works better when operated at normal room temperature. Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and/or a close proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale. Handle with care. Gently apply all items to be weighed onto tray top. Avoid shaking, dropping or otherwise shocking the scale. Scales are delicate instruments and unlike cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or drops as possible, however there is no way for us to protect 100% against load cell or sensor damage. Failure to follow these instructions will void your warranty.

Always allow the scale to acclimate to normal room temperature for at least one hour before use. Give your scale sufficient warm up time. Usually 30-60 seconds before calibration to give the internal components a chance to stabilize.

PRECAUTIONS BEFORE USING THE BALANCE

1. Matter charged with static electricity can affect accuracy. Discharge all static electricity. For example, one method is to use Static-Guard spray, and spray it on both sides of the weighing platform.
2. The balance must be in an exactly horizontal position in order to achieve accurate measurement results. In order to bring the balance into a horizontal position, the adjustable feet are turned either clockwise or counter-clockwise until the air bubble on the front panel is in the center of the marked circle.
3. Please use an independent power outlet to avoid interference from other electrical appliances.
4. Don't put any objects on the platform before powering on.
5. When possible please allow the scale to warm up for several minutes before operation.
6. Items should always be placed on the center of the platform when being weighed.
7. For optimum accuracy, recalibrate before each use.

POWER SUPPLY

The CTS-600™ is powered by a **rechargeable battery** or directly by **AC/DC 10V power adapter**.

OPERATION INSTRUCTIONS

Weighing Procedures

1. Place the scale on a flat hard surface.
2. Turn on scale (switch on right side of scale). When the power is turned on, the scale will countdown for a few seconds and "0" will appear on the display. If "Err5" is displayed it means the scale is on an unstable surface. Reposition the scale so that it is completely horizontal and on a vibration free surface.
3. Gently place the items to be weighed on the scale platform.

Sample Settings

There are 2 methods for sampling:

A) Number Setting

Number Setting is used if the sample weight is unknown.

1. Place the precounted samples on the tray, we recommened a sample size of at least 20 units. This will compensate for minor deviations in the unit weights.
2. Enter the total amount of the sample and press 🔳 .
3. The individual unit weight will appear in the unit weight display.
4. Once this is set you can place as many units on the tray that require counting. The total amount of units should not exceed the 600g capacity of the scale.

B) Unit Weight Setting

Unit Weight Setting is used when weight of the sample is known.

1. Enter the weight of an individual sample and press 🔳 .
2. Add the units to be counted and the total number will be displayed.
3. You can place as many units on the tray that require counting. The total amount of units should not exceed the 600g capacity of the scale.

Tare

Tare can be used for eliminating the weight value of an empty container. Place an empty container on the scale and press 🔳 . Then place the items to be weighed in the container. NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Press 🔳 again to return the scale to zero.

ADVANCED SETTINGS

To enter the settings mode input "12347" and press 🔳 , press 🔳 to cycle through the 3 settings: Track Range, Track Time and Backlight. Press 🔳 to toggle settings.

Track Range

There are 4 options (0-5, 0.75, 1, 1.25). For super accurate readings choose 0.5 and for quicker less accurate choose 1.25.

1. The display will show "Zrd", to indicate the Track Range setting mode.
2. Press 🔳 to toggle the Zero Track range (0.5, 0.75, 1, 1.25).
3. Press **[C]** to confirm and exit or 🔳 to go move to next setting.

Track Time

Here you can adjust the weight response time. There are 4 options (1,1.5,2,2.5). Choose 1 for the fastest response time when weighing multiple items. Choose 2.5 for the slowest when the highest precison is required.

1. The display will show "Zrt", to indicate the Zero Track Time mode.
2. Press 🔳 to toggle the Zero Track Time (1, 1.5, 2, 2.5).
3. Press **[C]** to confirm and exit or 🔳 to go move to next setting.

Backlight Setting
1. The display will show "Li", to indicate the Backlight setting mode.
2. Press ⟨⊕⟩ to toggle the brightness settings (0=low – 3=High)
3. Press **[C]** to confirm and exit or ⟨▸◂⟩ to move to next setting.

CALIBRATION

When to calibrate – calibration is required to achieve the most accurate results.
Calibration may be required when the scale is first set up for use, or if the scale is moved to a different altitude or new location. This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations can occur.

Basic Calibration
How to calibrate: **you must have an accurate 400g weight or combination of weights in order to calibrate*
1. Turn on scale.
2. Input "12346" and press ⟨⊕⟩ to enter Single Segment Calibration Mode.
3. The display will show "SCALE CAL-0"
4. Press ⟨⊕⟩ and the display will flash "CAL-0 for 3 seconds.
5. Enter the Calibration weight "400" and gently place 400g weight on the platform.
6. Wait a few seconds and press ⟨⊕⟩
7. Calibration is complete when the scale displays a correct reading.

Advanced Calibration (For Advanced Users)
How to calibrate: **you must have an accurate 200g, 400g & 600g weight or combination of weights in order to calibrate*
1. Turn on the scale
2. Input "12345" and press ⟨⊕⟩ to enter Lineraity Segment Calibration Mode.
3. The display will show "LinE"
4.Press ⟨⊕⟩ and the display will show "200.00"
5. Gently place 200g weight on the platform, wait for reading to stabalize and press ⟨⊕⟩
6. The display will now show "400.00"
7. Gently place 400g weight on the platform, wait for reading to stabalize and press ⟨⊕⟩
8. The display will now show "400.00"
9. Gently place 600g weight on the platform, wait for reading to stabalize and press ⟨⊕⟩
10. Calibration is complete when the scale displays a correct reading.