

II. Description

V. Internal settings

DISPLAY AND PANEL DESCRIPTIONS

5gPPBgPBBdgngd □
1s 5g □
s 5B
Os 5gd
Ls 5gd
s v5gBBaBBaBd □
gBgBg □

Sensitivity Settings

The sensitivity settings are as follows:

- ASD-0 Maximum Sensitivity (Use in ideal conditions)
- ASD-1 High Sensitivity
- ASD-2 Common Sensitivity
- ASD-3 Low Sensitivity (Use in poor conditions)

To change the sensitivity on the balance:

1. Press and hold the ON button
2. Release when 'SET A' is displayed
3. Press and hold the MENU button until the desired sensitivity is displayed
4. Press the TARE button to return to weighing

Weighing Speed Settings

The weight settings are as follows:

- INT-0 Fastest
- INT-1
- INT-2
- INT-3 Slowest

To change the weight speed on the balance:

1. Press and hold the ON button
2. Release when 'SET 1' is displayed
3. Press and hold the MENU button until the desired speed is displayed
4. Press the TARE button to return to weighing

Data Output Settings

The data output settings are as follows:

- PRT-0 Must press button to output data
- PRT-1 Every 30 seconds
- PRT-2 Every 60 seconds
- PRT-3 Every 120 seconds
- PRT-4 Continuous output

To change the data output settings on the balance:

1. Press and hold the ON button
2. Release when 'SET P' is displayed
3. Press and hold the MENU button until the desired output rate is displayed
4. Press the TARE button to return to weighing

Tare function

1. Put the receptacle on the weighing pan; its weight will be displayed
2. Press TARE key and the reading on the display will automatically be set to 0.000g or 0.0000g; tare is complete
3. If the receptacle is removed from the pan, the corresponding weight, with negative value will be displayed.
4. Press the TARE key again and the value on display will be set to zero again

Weighing unit selection

Press MENU key to select the desired weighing unit from mg (UNT-0), g (UNT-1), ct (UNT-2), and oz (UNT-3).

Note:The default weighing unit is grams (UNT-1).

Piece counting function

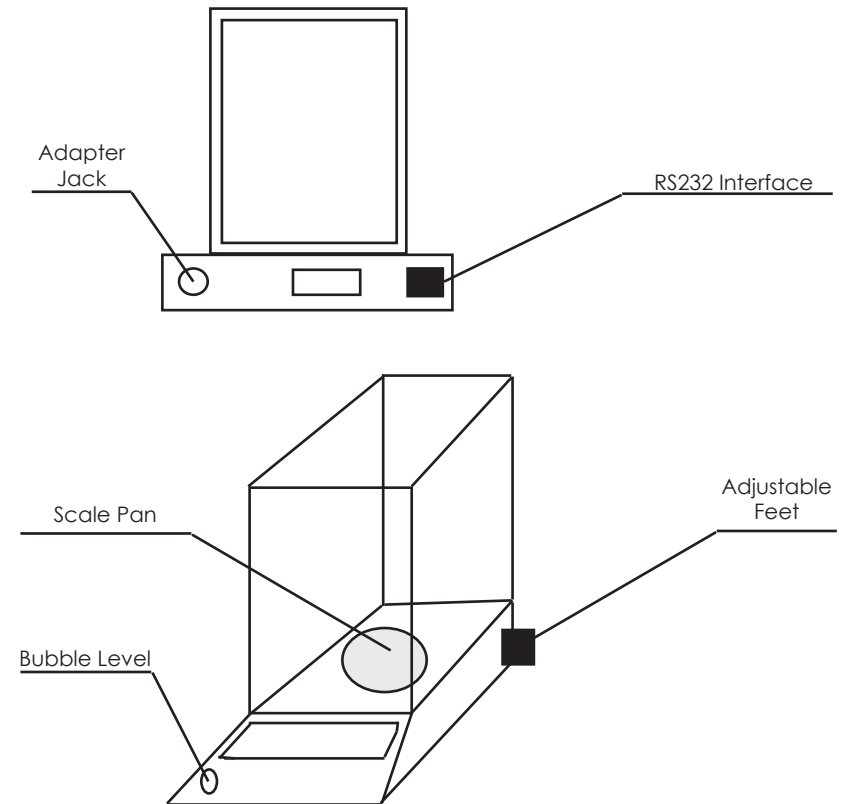
1. Press and hold the ON key until 'Set-0' is displayed.
2. Press MENU key to select the reference number of pieces (COU-10, COU-25, COU-50).
3. Put the corresponding number of pieces on the pan, press and hold CAL button until the number of pieces is displayed.
4. Remove the pieces from the pan and the balance is ready to be used in piece counting mode (weighing unit will change from g to pcs)

Note: In counting mode, the weight of the pieces must be even and the weight of an individual piece should not be less than the readability of the balance

To return to weighing mode:

1. Press and hold the ON key until 'Set-0' is displayed
2. Press MENU key to select COU-00
3. Press TAR key and the balance will enter weighing mode

STRUCTURE



III. Installation

Choosing the installation location

When analytical balances are used in routine lab or industrial measurement environments, the weighing speed will be much quicker, and the results more accurate. The location should meet the following conditions:

1. Work room should be clean and dry
2. Balance should be placed on a solid, stable, plain flat surface
3. Avoid locations in which the balance could be exposed to any of the following:
 - a. Airflow from air conditioners, fans, doors, or windows
 - b. Vibrations from surrounding or nearby equipment
 - c. Direct sunlight or radiation
 - d. Electromagnetic waves or fields
4. Do not use the balance anywhere exposed to explosive, combustible, or corrosive gases.
5. Do not use the balance in areas with high humidity or high levels of dust
6. When moving from a cooler to a warmer place, the accuracy and reliability of the scale will be influenced by the moisture condensation inside the balance. In order to eliminate this influence, it is best to leave the scale unplugged in its new location for at least two hours before next use.
7. Avoid extreme temperatures or exposure to direct sunlight or air conditioners. Ideal working temperatures are between 17.5 C and 22.5 C (63.5 and 72.5 F) with temperature fluctuations of less than 1 C (1.8 F) per hour.
8. Keep the balance clean.
9. Do not leave material on the balance when not in use.
10. Always use the correct power supply and voltage with the balance; the balance is supplied with a power adapter 110-220 V/50-60 Hz.

Unpacking and inspection

Check that all of the items indicated below are included in the package and that nothing has been damaged:

- Balance
- Pan
- Power Cable (AC Adapter)
- External Calibration weight

In case the balance or any component is damaged during transport, tell your transportation agent immediately in order to process claims within the proper time frame.

IV. Using the Balance

Level adjustment

Once the balance is placed at its location, check the bubble level; if bubble is not well-centered, turn the adjustable feet so the bubble moves to the center and the balance is properly leveled.

Start

1. Connect the balance to the power supply and press ON key on the panel
2. When the balance turns on, wait 30 minutes for the necessary warm up time for better performance and stability for the balance.
3. Once warm up time has passed, it is recommended that the balance be calibrated.
4. After calibration, the balance will enter weighing mode
5. To turn the balance off, press the OFF key on the panel and the display will shut off. If the balance will be unused for an extended period of time, disconnect it from the power supply.

Standard Calibration

1. Press CAL key; the value of the necessary weight will flash on display
2. Put the calibration weight on the pan; to complete this step, open the glass door, put the weight on the pan and close the door again. Wait until the value of the calibration weight stops flashing and is fixed on the display (e.g. 100.0000 g, 200.0000g, etc., depending on the model)
3. Remove the weight from the pan; for this, open the glass door, remove the weight from the pan, and close the door again
4. The balance will enter weighing mode and will display .0000g

Linear Calibration

1. Plug in and wait for more than 30min to warm up the balance.
2. Press and hold down "ON", when it shows "Set--C" on display, release "ON", then quickly press "PRT" and "CAL" in turn and wait for 2 seconds, it will enter linearity calibration mode.
3. It will show "LIN-0" at first, then "LIN-200", pls put on 200g F1 weight on the pan, when it was steady, remove the weight and it will show "LIN---XXX"(XXX means the number, what number shows on, pls put the accordingly weight on the pan"
4. Remove the weight from the pan; for this, open the glass door, remove the weight from the pan, and close the door again
5. The balance will enter weighing mode and will display 0.0000g