

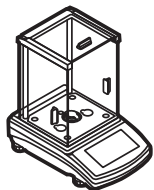
Start up Guide

TCT

Series Balances

1. CONTENT

Models: TCT-125.C | TCT-225.C



Balance
x 1



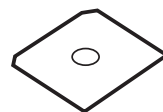
Weighing pan
x 1



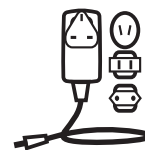
Draft shield
x 1



Centering ring
x 1

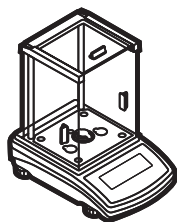


Bottom insert
x 1



Power adapter
x 1

Models: TCT-164.C | TCT-224.C | TCT-314.C | TCT-524.C



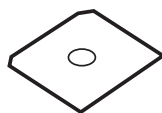
Balance
x 1



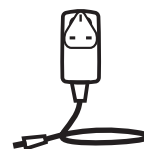
Weighing pan
x 1



Draft shield
x 1

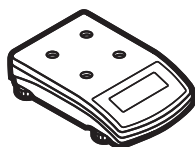


Bottom insert
x 1



Power adapter
x 1

Models: TCT-363.C | TCT-603.C | TCT-1003.C | TCT-3003.C



Balance
x 1



Weighing pan
x 1



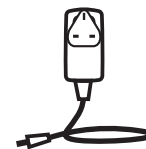
Draft shield
x 1



Grounding foot
x 1

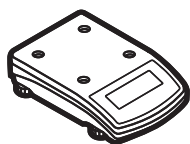


Foot
x 3



Power adapter
x 1

Models: TCT-2102.C



Balance
x 1



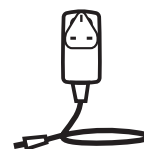
Weighing pan
x 1



Grounding foot
x 1

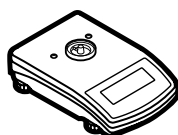


Foot
x 3



Power adapter
x 1

Models: TCT-4502.C | TCT-6002.C | TCT-8102.C | TCT-10102.C



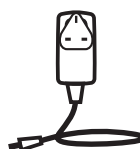
Balance
x 1



Weighing pan
x 1

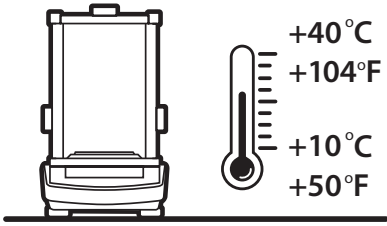


Draft shield
x 1



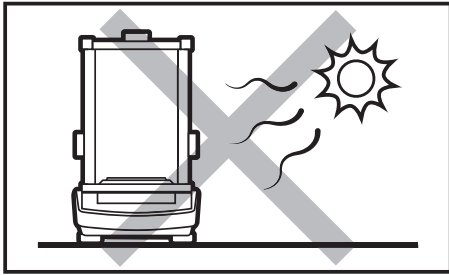
Power adapter
x 1

2. WORKROOM AND BASIC OPERATION GUIDELINES

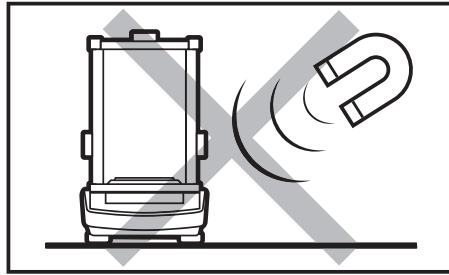


Operate the device in a room where the temperature ranges between 10–40 °C (50–104 °F) and where the relative humidity is below 80%.

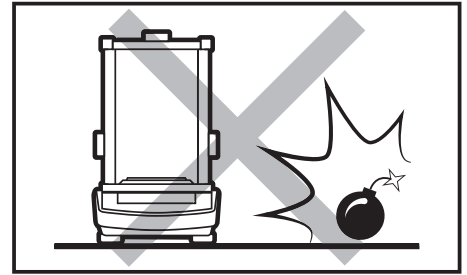
Place the balance on a solid surface to ensure stability. To obtain stable and repeatable weighing results, an anti-vibration table is recommended.



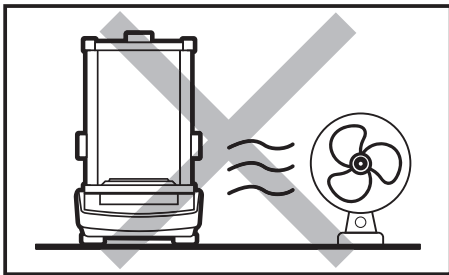
Place the balance away from heat sources. Avoid exposing the balance to the sunlight.



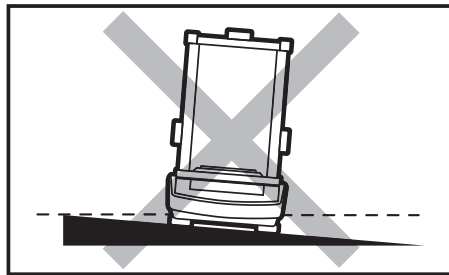
Avoid exposing the balance to a magnetic field. Do not weigh magnetic substances.



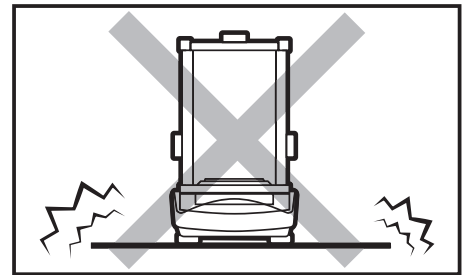
Do not place the balance in a hazardous area. Do not weigh explosive materials.



Avoid air drafts and air movements at the workstation.

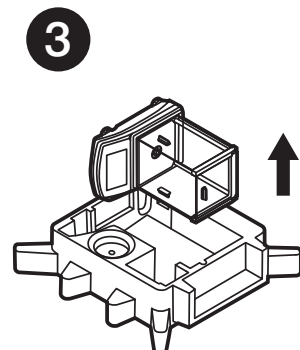
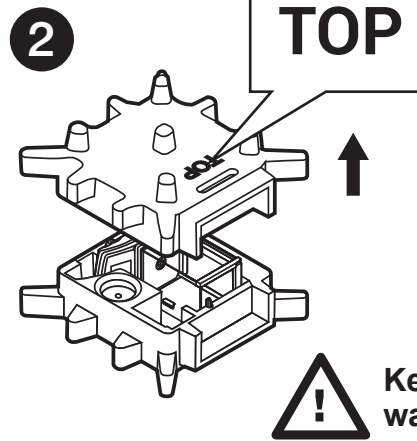
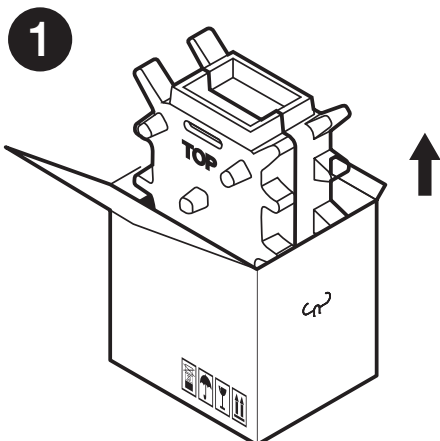


Make sure that the balance is placed on an even surface.



Do not place the balance on an unstable ground exposed to shocks and vibrations.

3. UNPACKING

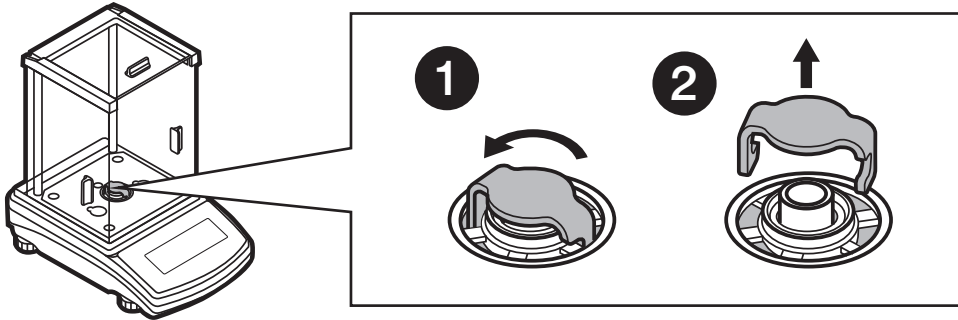


Keep the packaging should a warranty claim or service be required.

4. ACTIVITIES TO BE DONE PRIOR TO OPERATION

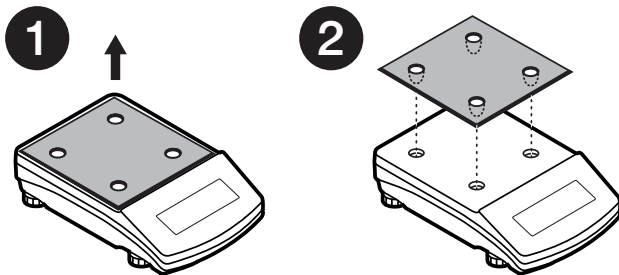
4.1. Remove transport lock

Models: TCT-125.C | TCT-225.C | TCT-164.C | TCT-224.C | TCT-314.C | TCT-524.C



Keep the transport lock should a warranty claim or service be required.

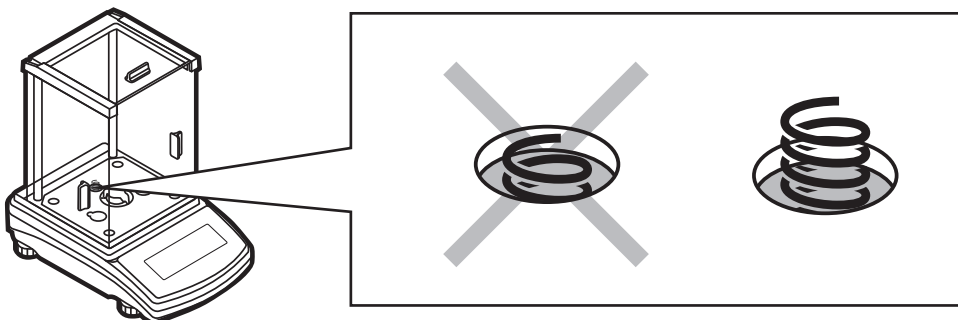
Models: TCT-363.C | TCT-603.C | TCT-1003.C | TCT-3003.C | TCT-2102.C



Keep the transport lock should a warranty claim or service be required.

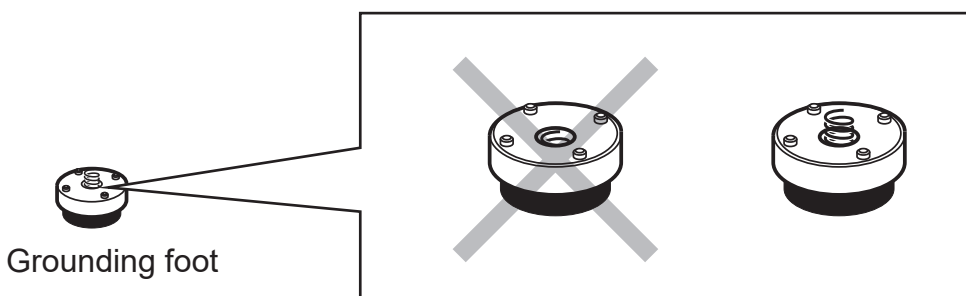
4.2. Grounding spring check

Models: TCT-125.C | TCT-225.C | TCT-164.C | TCT-224.C | TCT-314.C | TCT-524.C



Check the grounding spring. Make sure that the grounding spring juts slightly out of the hole.

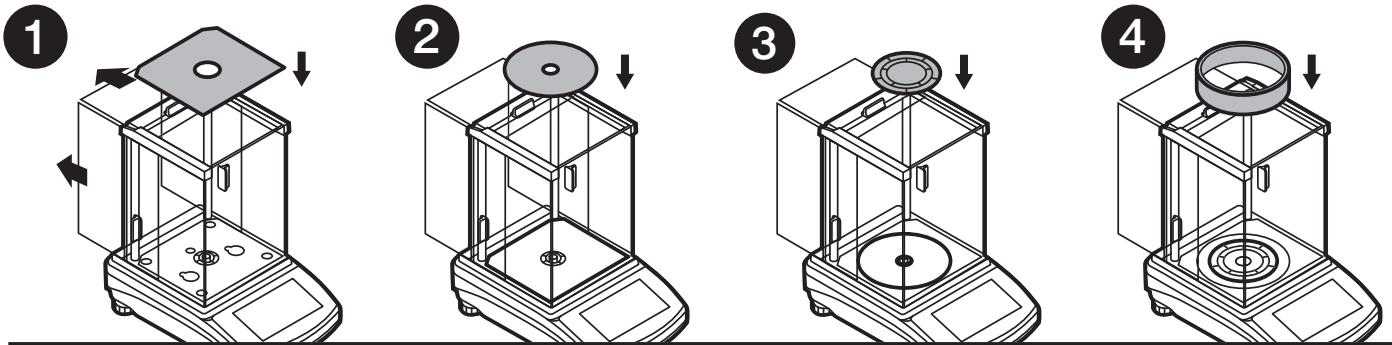
Models: TCT-363.C | TCT-603.C | TCT-1003.C | TCT-3003.C | TCT-2102.C



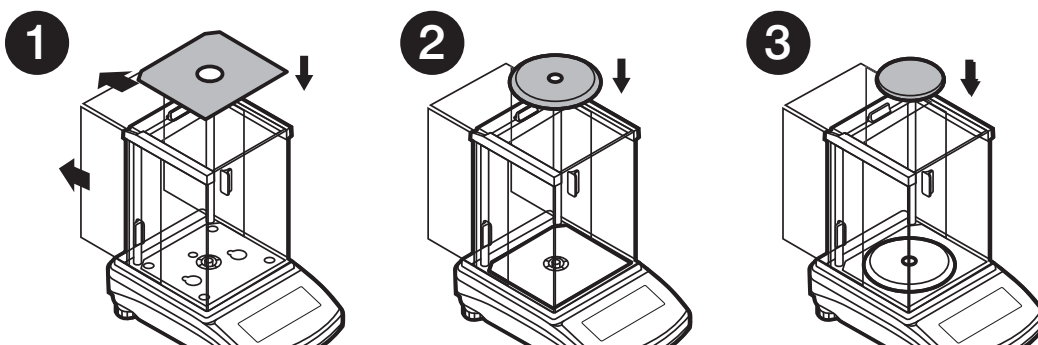
Check the grounding spring. Make sure that the grounding spring juts slightly out of the hole.

5. COMPONENTS ASSEMBLY

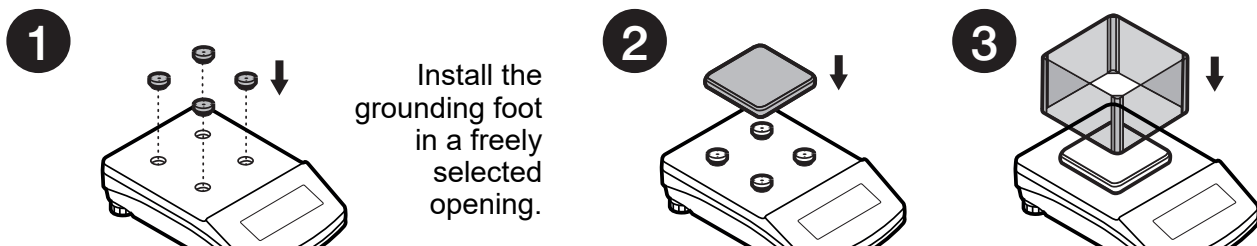
Models: TCT-125.C | TCT-225.C



Models: TCT-164.C | TCT-224.C | TCT-314.C | TCT-524.C



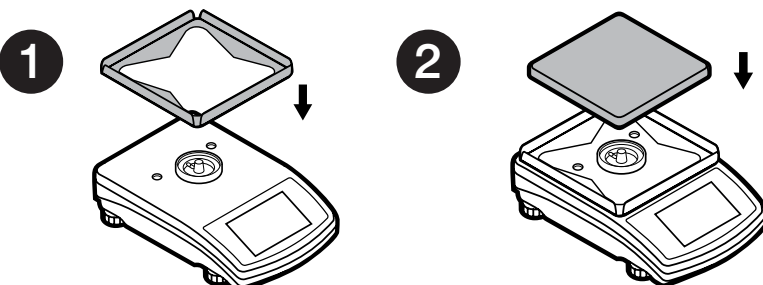
Models: TCT-363.C | TCT-603.C | TCT-1003.C | TCT-3003.C



Models: TCT-2102.C

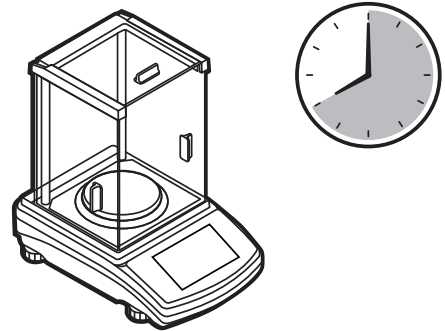
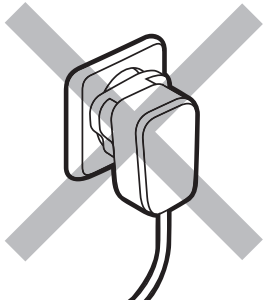


Models: TCT-4502.C | TCT-6002.C | TCT-8102.C | TCT-10102.C



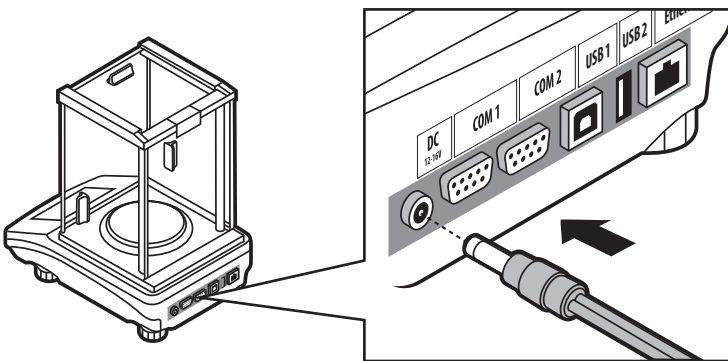
6. PREPARING FOR WORK

6.1. Balance temperature stabilization time

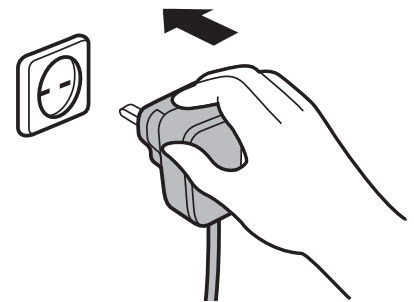


Prior to switching the device on it is necessary to ensure that it has reached a temperature equal to room temperature.

Balance temperature stabilization time ranges between 1 - 8 hours.

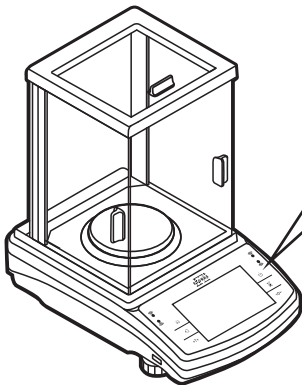


Connect the power adapter to DC connector.



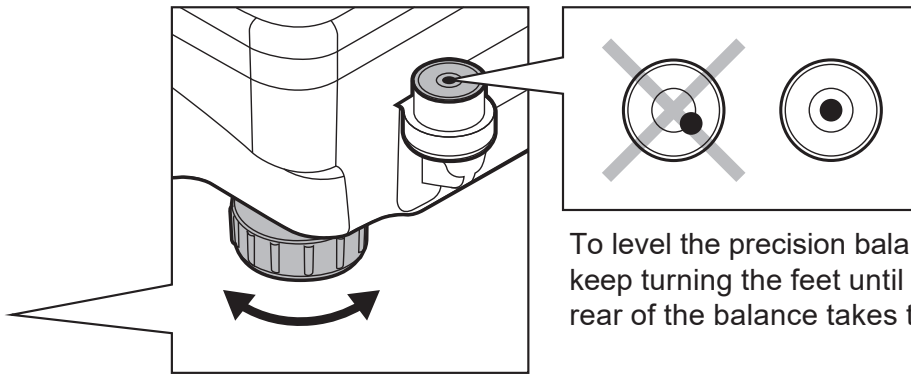
Connect the power adapter to the mains.

6.2. Switching the balance on



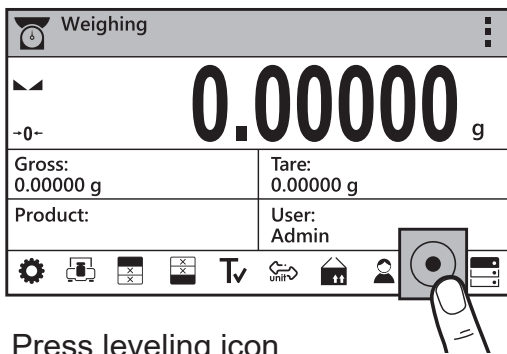
To switch the device on, press ON/OFF key

6.3. Leveling

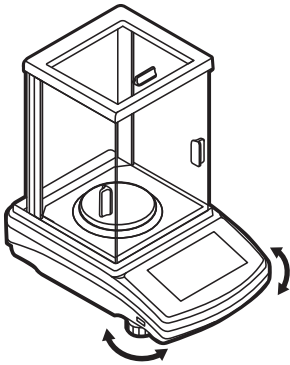


To level the precision balances, turn its feet and keep turning the feet until the air bubble in the rear of the balance takes the central position.

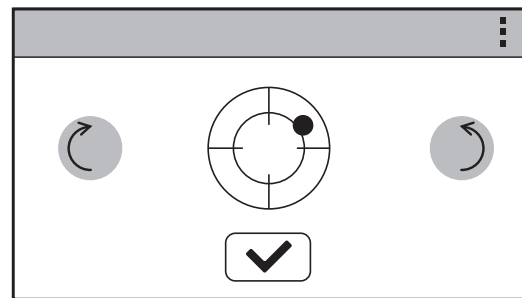
The semi-micro and analytical balances feature a digital leveling system.



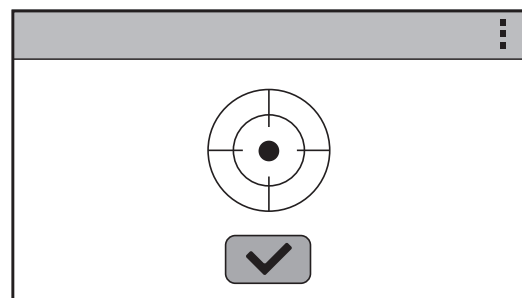
Press leveling icon.



Keep turning the feet until the level indicator takes the central position.



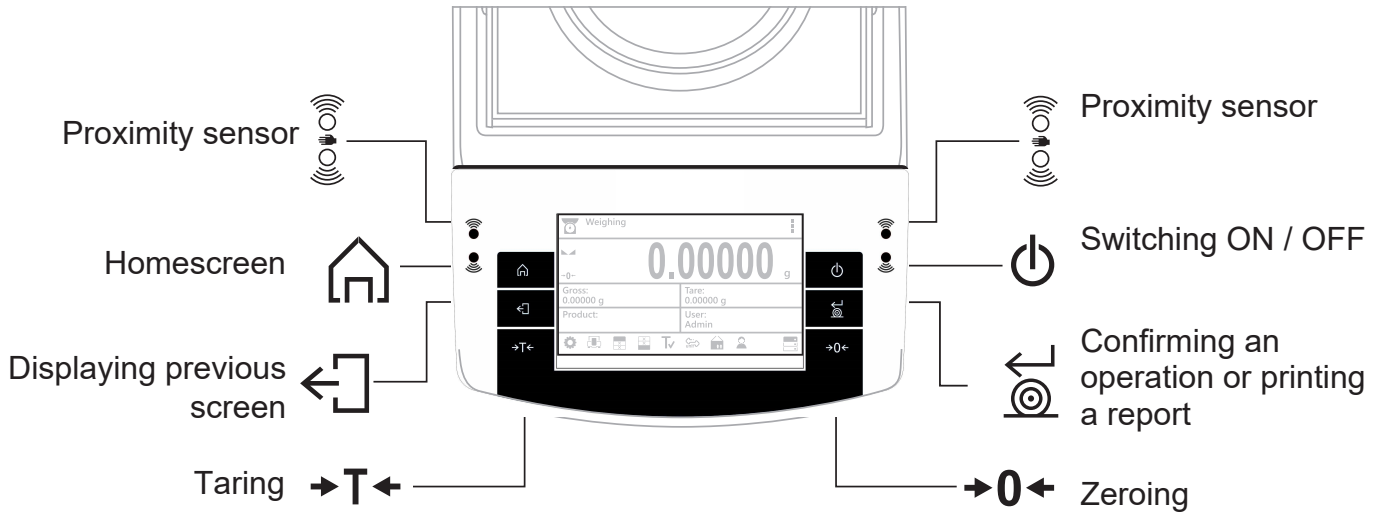
Check the balance level state. The arrows show how to turn the feet to level the balance.



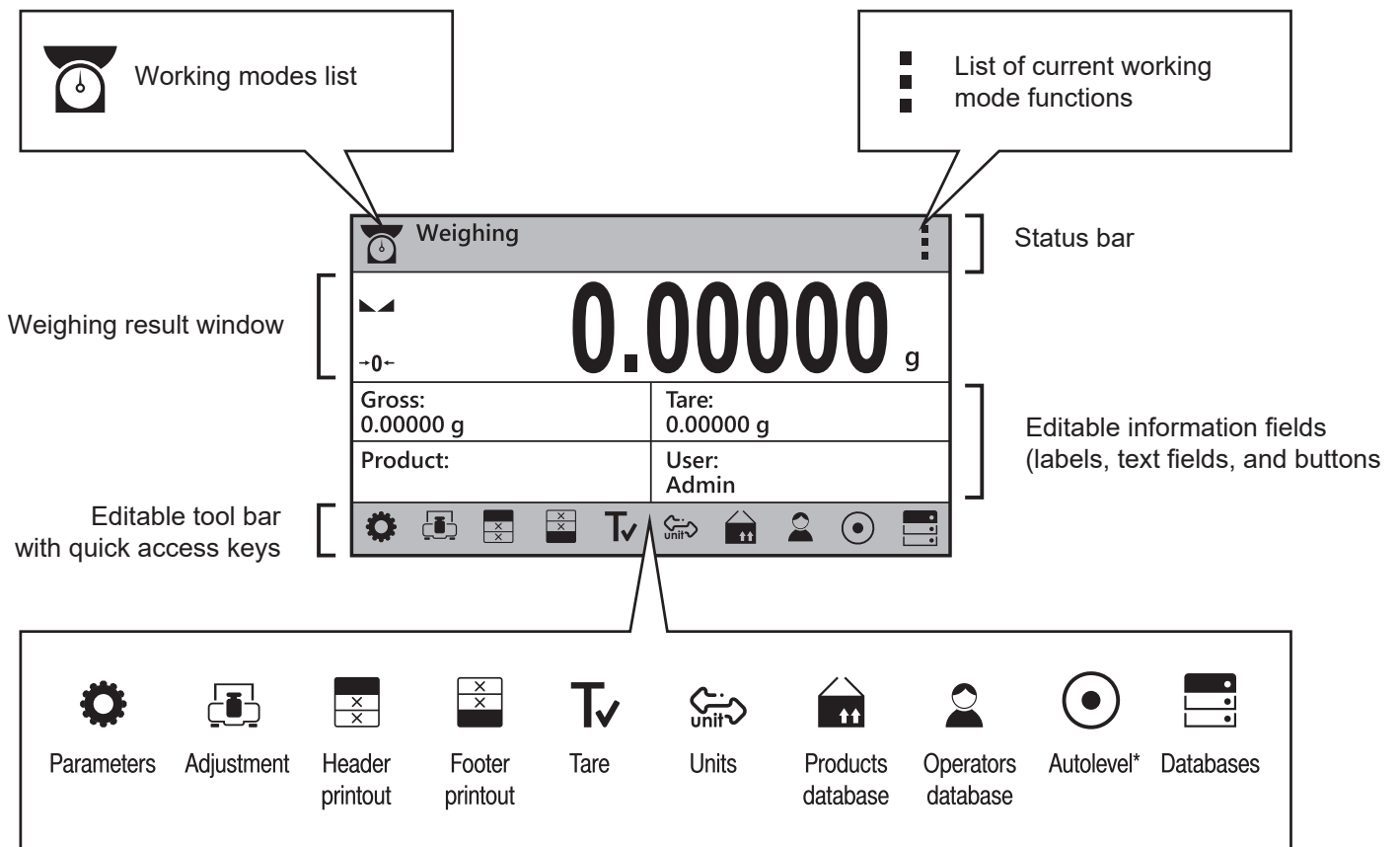
Once the balance is in the correct level state, press button to end the operation.

7. PANEL AND SCREEN

7.1. Panel keys



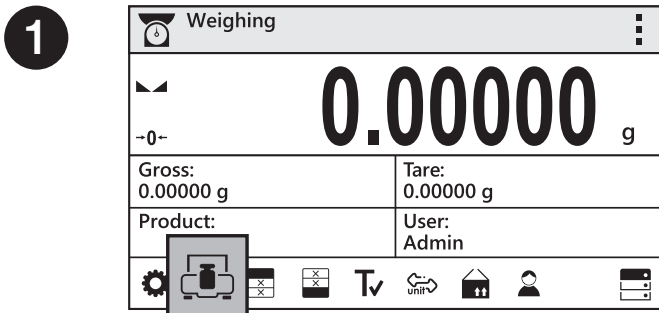
7.2. Home screen



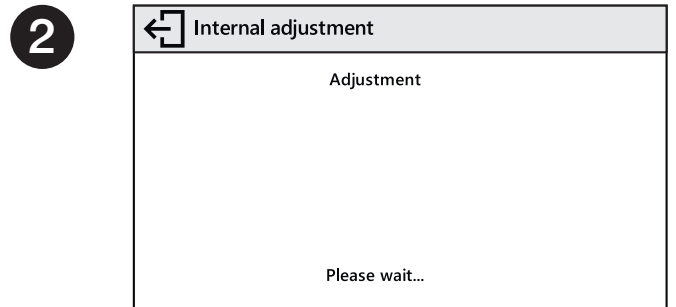
*Only available on semi-micro and analytical models

8. BASIC OPERATIONS

8.1. Adjustment

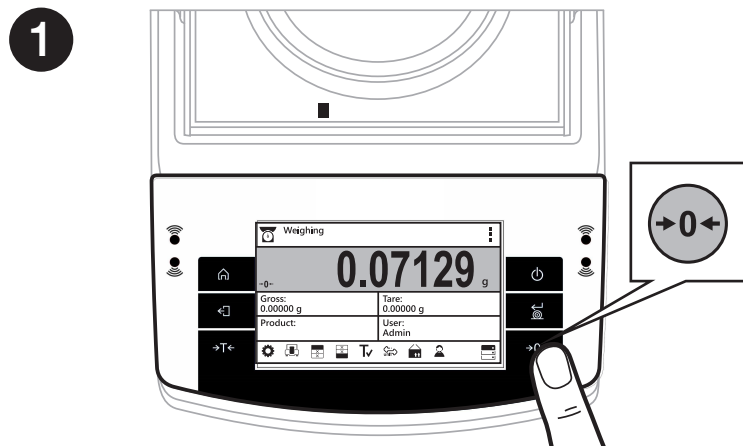


Press "Adjustment" button.

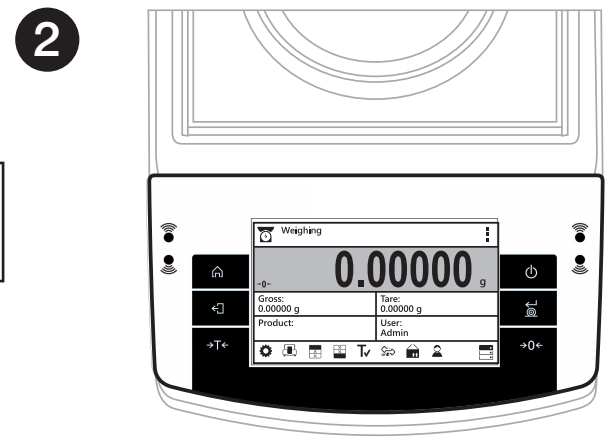


Wait for the process completion.

8.2. Zeroing

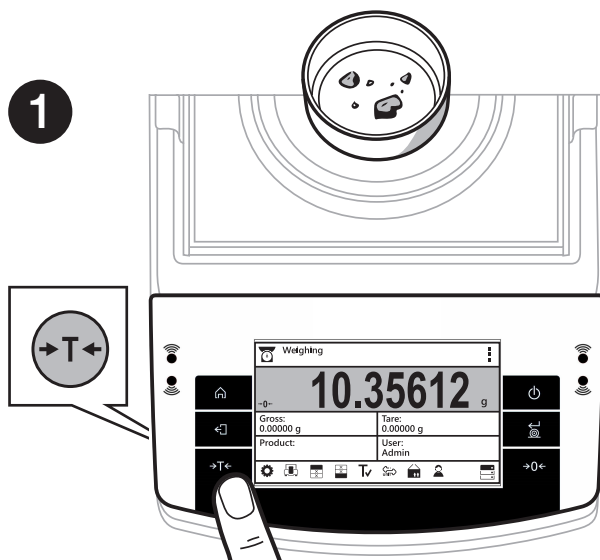


Unload the weighing pan and press "Zeroing" button.

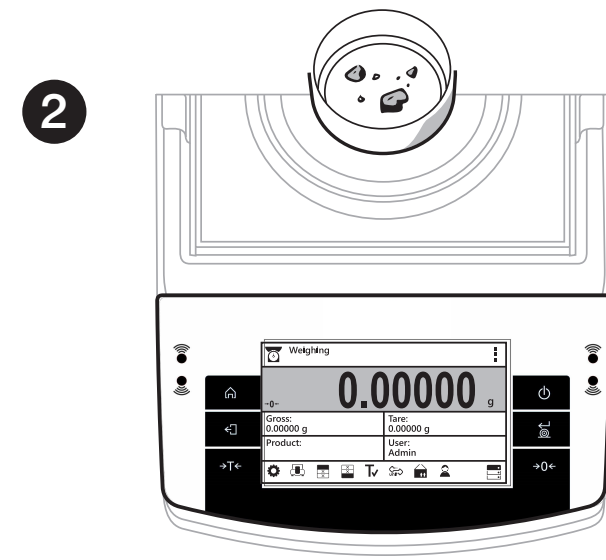


The balance has been zeroed.

8.3. Taring

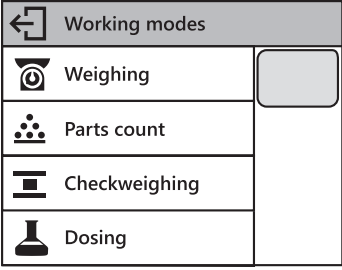


When the weighing result has been displayed press "Tare" button.



The balance has been tared.

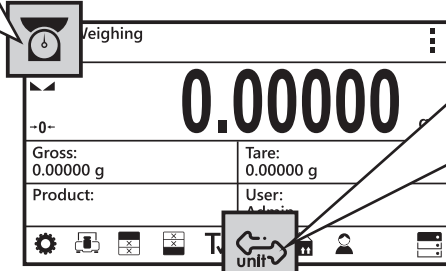
8.4. Working modes / units selection



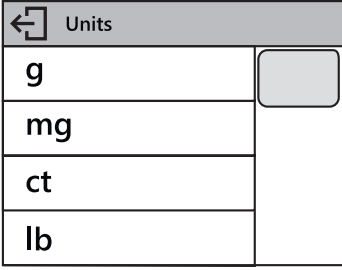
Working modes list:

Weighing	Parts counting
Dosing	Animal
Checkweighing	weighing
Formulas	Solids density
Percent	Liquids density
weighing	Peak hold
Statistics	

Press the pictogram to view list of all available working modes.



Press the pictogram to view list of all available units.



Units list:

g	tlh	N
mg	tls	b
ct	tlt	aht
lb	tlc	tola
oz	mom	msg
ozt	gr	u1
dwt	ti	u2

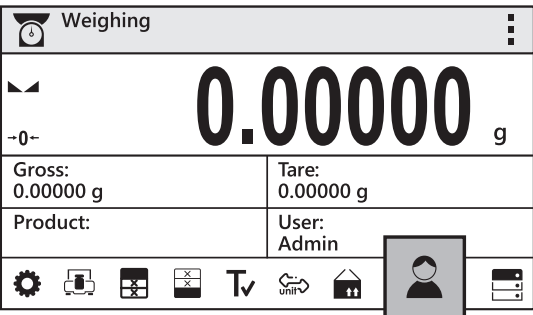
9. SETTINGS



Some balance settings are accessible for Administrator exclusively. Prior balance parameters setup, log in as the Administrator.

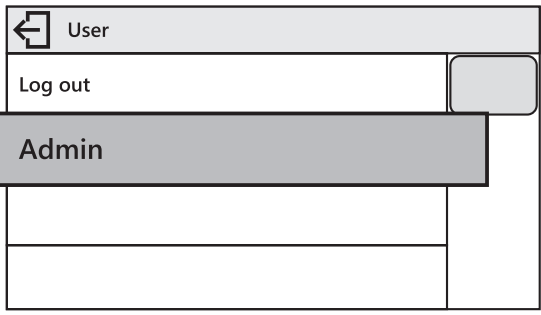
9.1. Administrator's login

- 1**

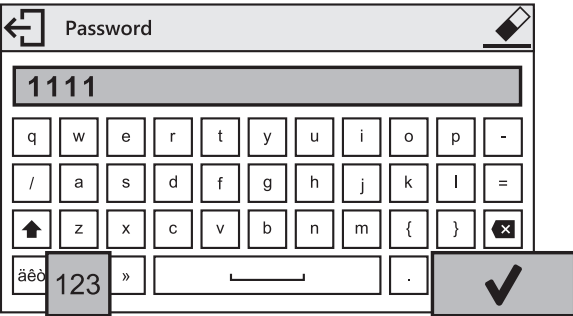


Press "Operators" button.

2

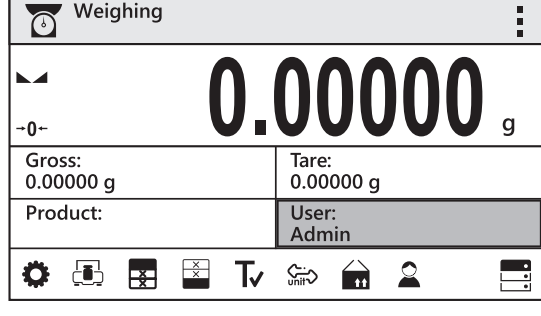


Users list is displayed, select Admin option.
- 3**



Press **123** button to activate numeric keyboard. Enter "1111" password and press **✓** button to confirm.

4

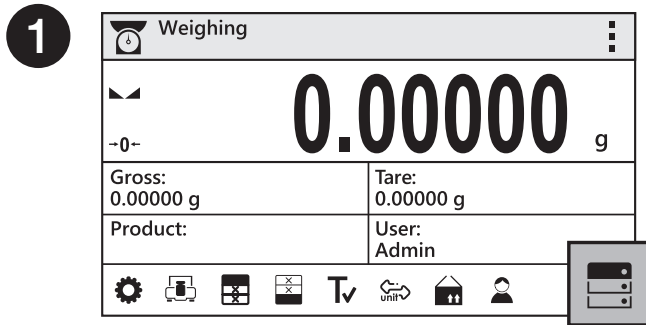


You have logged in the administrator.

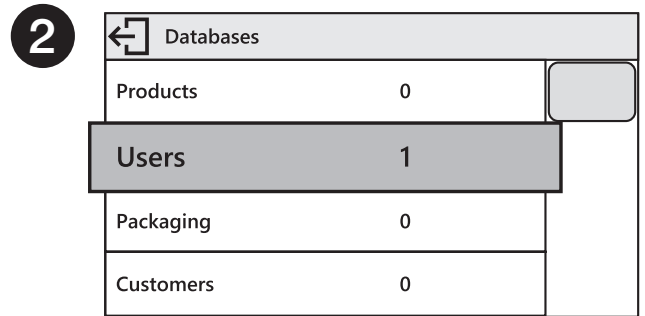
9.2. User settings



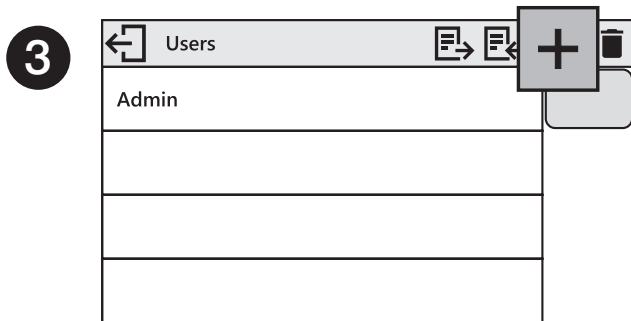
Prior balance users setup, log in as the Administrator.



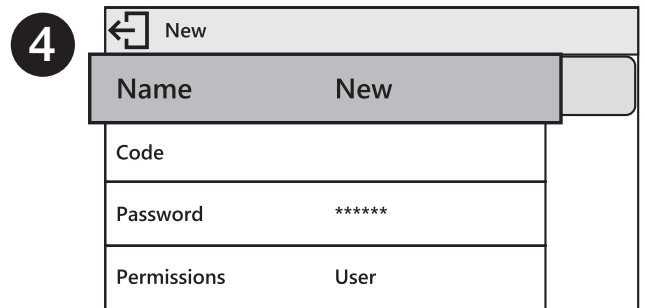
Press "Databases" button.



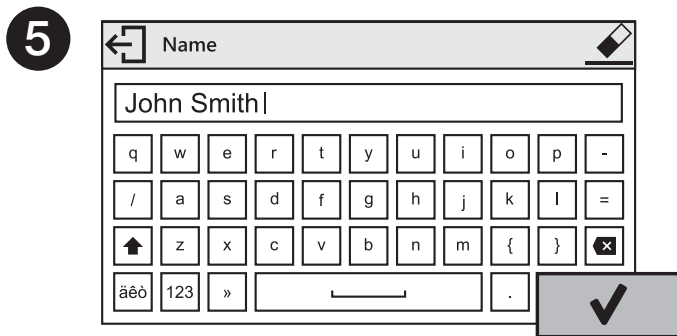
Select Operator database.



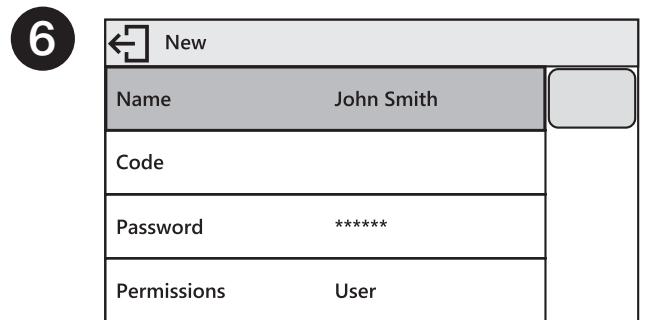
Press "Add" button.



Select "Name" parameter.



Enter user name.



User name has been entered.

7 Following the above procedure, set remaining parameters:

Code:

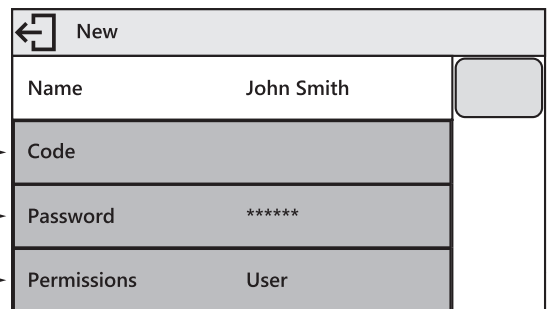
Enter user ID

Password:

Enter user password

Access levels:

Set respective access level
(user, advanced, admin)

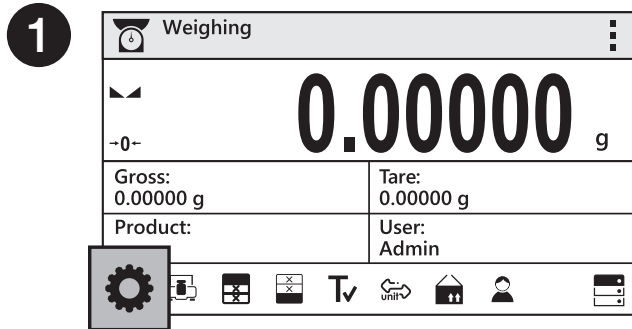


9.3. Proximity sensors setup

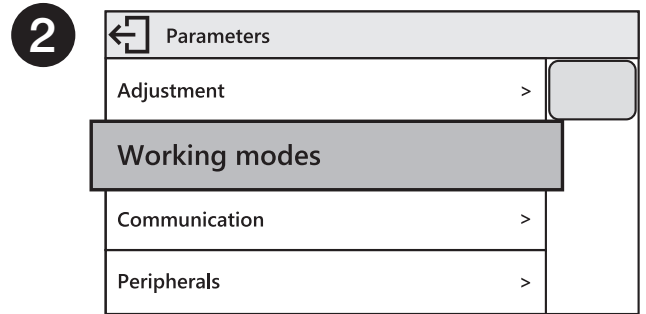


Prior proximity sensors setup, log in as the Administrator.

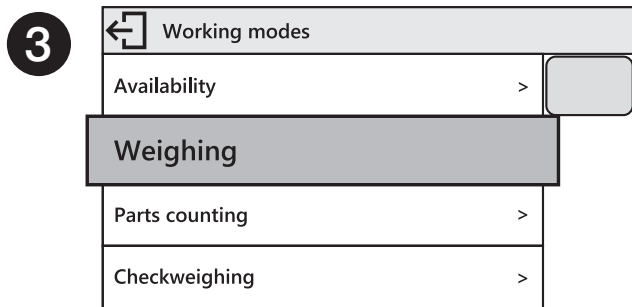
You can assign the proximity sensors with different functions for each working mode (the sensors will trigger different operation for each working mode). The diagram presents sensors setup for the weighing mode.



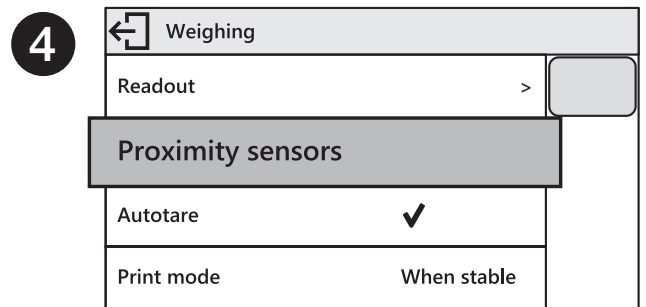
Press "Parameters" button.



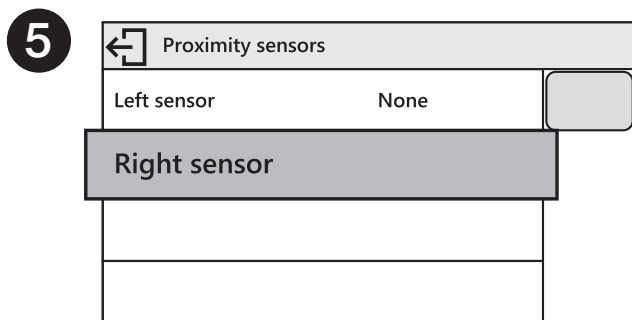
Parameters list is displayed, select Working Modes parameter.



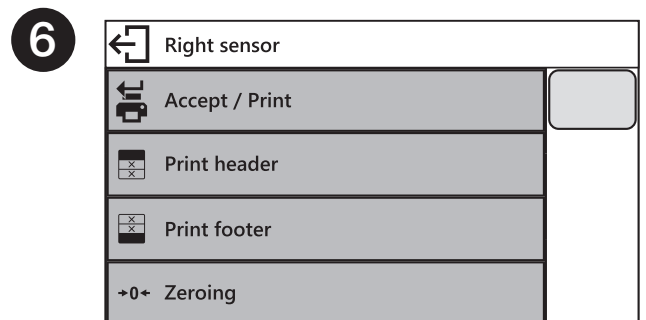
Select Weighing parameter.



Select Proximity Sensors parameter.



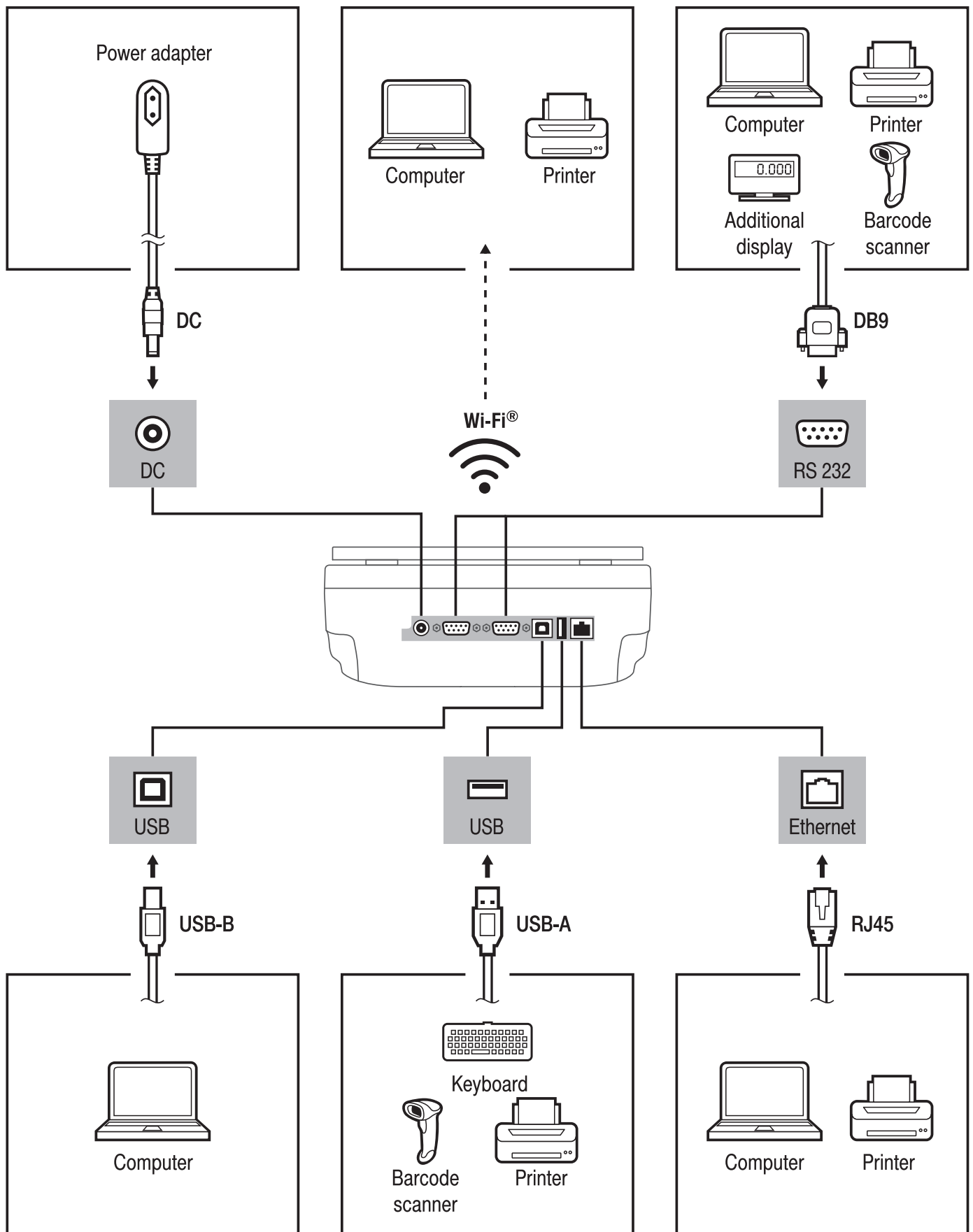
Select Right Sensor parameter.



Select function that is to be assigned to the right proximity sensor.

In order to set left sensor function repeat steps 5 and 6, this time select Left Sensor parameter. Following the above procedure you can also set sensors for remaining working modes.

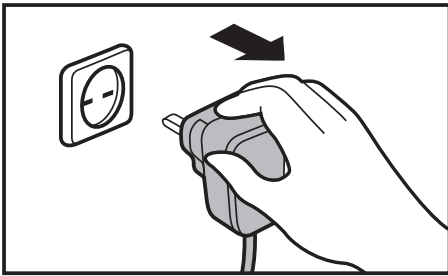
10. PERIPHERAL DEVICES CONNECTORS



Wi-Fi® is a registered trademark of Wi-Fi Alliance.

11. DEVICE CLEANING

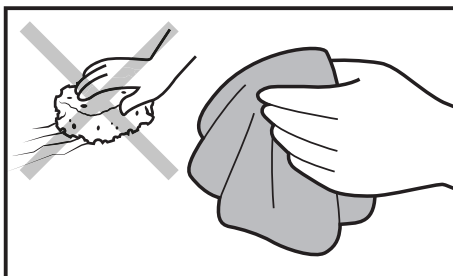
11.1. General Recommendations



Prior to cleaning it is necessary to disconnect the device from the mains. Remove the plug from the outlet, disconnect all cables



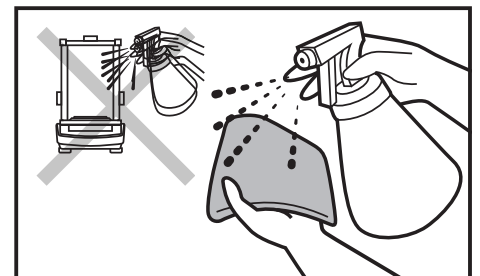
Do not use aggressive cleaning agents (e.g. solvents, chlorine preparations, corrosive chemicals, bleach)



Use soft cloth made of either natural or synthetic fiber exclusively. Avoid using cloth made of stiff/hard fabric, this could cause scratches on the surface.



Do not use substances of sharp structure or intended for scrubbing



Apply the cleaner onto the cloth. Mind not to apply the cleaner directly onto the device.



Make sure that dust nor liquid gets inside the weighing system.

11.2. Cleaning Instructions

GLASS PANES AND COMPONENTS can be cleaned using window cleaner.

WEIGHING PANS AND STAINLESS STEEL OR ALUMINUM COMPONENTS can be cleaned using a cloth slightly soaked in a solution of water and gentle cleanser (e.g. soap or dishwashing liquid)

OPERATION PANEL AND HOUSING can be cleaned using a cloth slightly soaked in a solution of water and gentle cleanser (e.g. soap or dishwashing liquid)

Dry sample leftovers can be removed using either a brush or hand held vacuum cleaner.

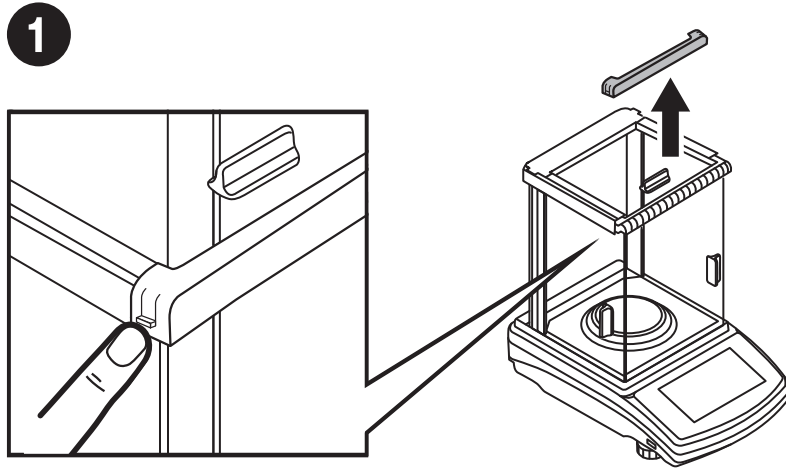
Clean components can be dried using a soft cloth or dust-free paper towel, with this the remaining moisture will be absorbed.

Install all the components only when they are completely dry.

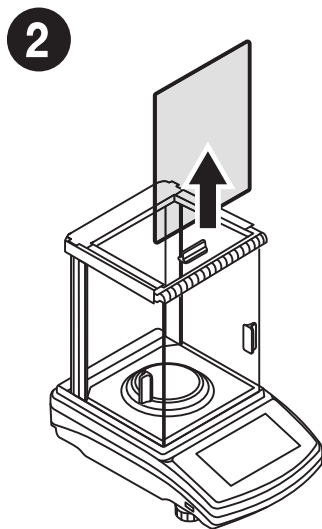
11.3. Weighing chamber elements disassembly



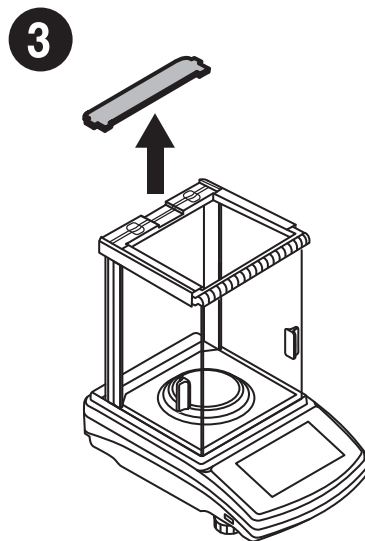
Prior to disassembling the weighing chamber, make sure the balance is turned off and unplugged from the mains.



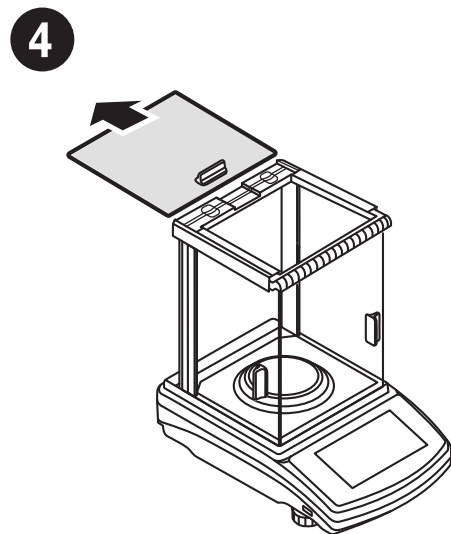
Press the moldings on the housing and lift the movable element up.



Now you can remove the front glass

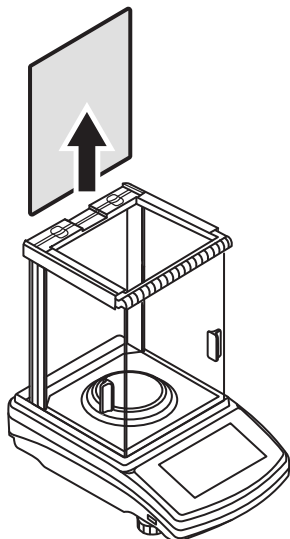


Press the moldings on the housing and lift the movable element up.



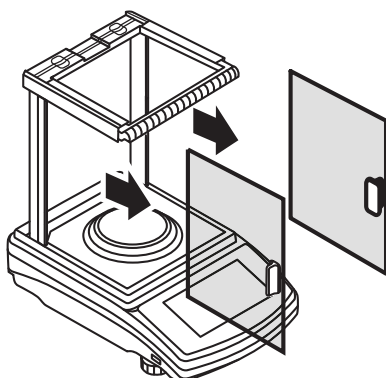
Now you can remove the upper glass

5



Remove the back glass. The housing has recesses to facilitate removing the glass.

6



Slide out the doors.



All disassembled elements are prepared to be cleaned. To reassemble draft shield, follow directions in reverse order.