Start up Guide

Precision Balances
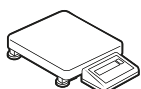
- WLC F1
- WLC C2

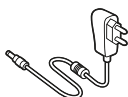**To view a complete User Manual go to the website or scan QR code:**

radwag.com/en/manuals/7022

1. CONTENT
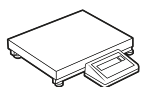
Models: WLC F1

Balance ×1

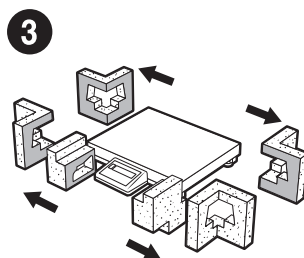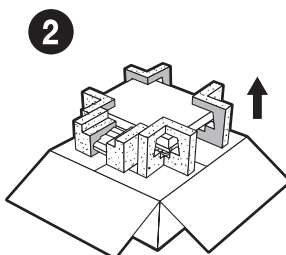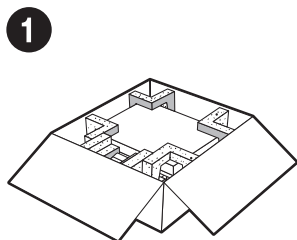Power adapter* ×1

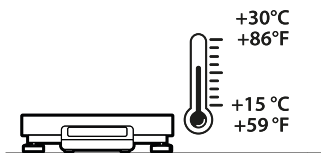**Models: WLC C2**

Balance ×1

Power adapter* ×1

*The plug type may vary by country.*

2. UNPACKING

1

2

3

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

3. RECOMMENDATIONS AND WARNINGS

+30°C
+86°F

+15 °C
+59 °F

Operate the device in a room where the temperature ranges between 15–30 °C (59–86 °F) and where the relative humidity is below 80%.
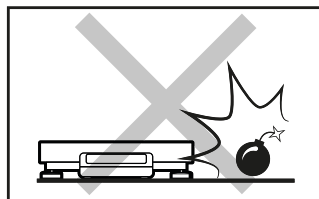
Place the balance on a solid surface to ensure stability. To obtain stable and repeatable weighing results, an anti-vibration table is recommended.
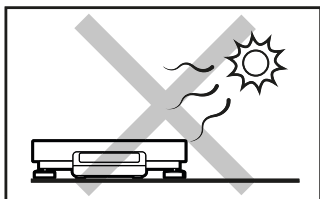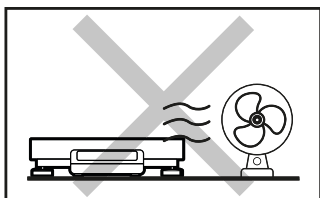
Place the balance away from heat sources. Avoid exposing the balance to the sunlight.
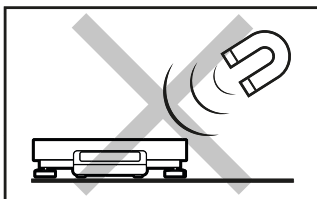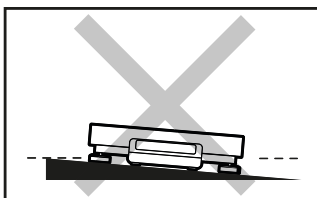
Avoid exposing the balance to a magnetic field. Do not weigh magnetic substances.
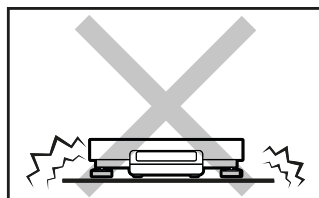
Do not place the balance in a hazardous area. Do not weigh explosive materials.

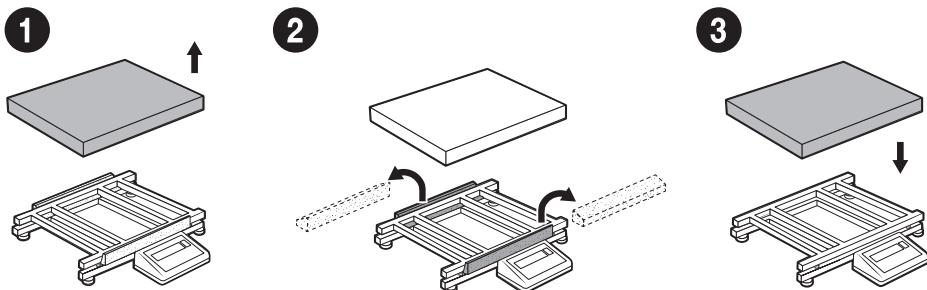Avoid air drafts and air movements at the workstation.

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.

4. ACTIVITIES TO BE DONE PRIOR TO OPERATION

4.1. Remove transport lock

5. PREPARING FOR WORK

5.1. Temperature stabilization
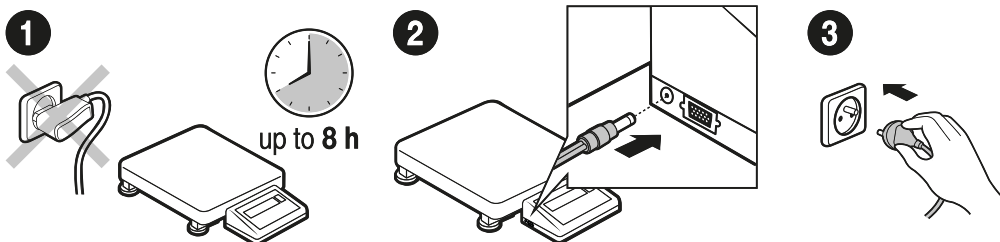
up to **8 h**

Prior to switching the device on, let it reach room temperature (estimated stabilisation time: up to 8 hours).

Connect the power adapter to DC connector.

Connect the power adapter to the mains.

5.2. Levelling

To level the balance, turn its feet and keep turning the feet until an air bubble takes the central position.

5.3. Switching the balance on

i   **Your balance is ready to use!**
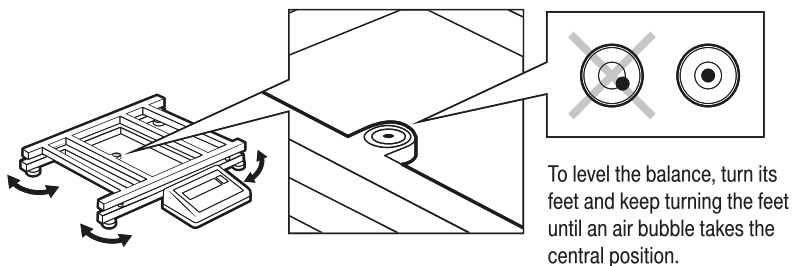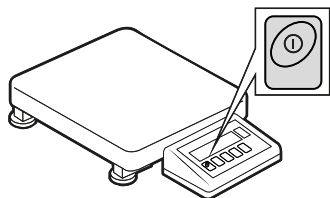
To switch the device on, press ON / OFF key.

6. PANEL AND SCREEN

6.1. Panel keys

Switching ON/OFF

Selecting working mode / ESC

Sending weighing result to a printer or a computer / ENTER

Navigation and zeroing

Navigation and taring

6.2. Home screen

Stable result pictogram

Balance zeroing pictogram
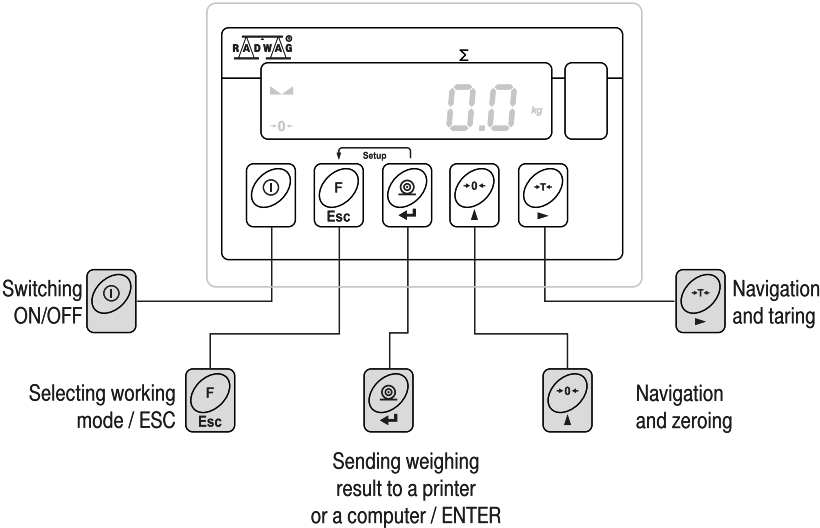
Weighing result window and communication and information section

# 7. BASIC OPERATIONS

7.1. Adjustment

External adjustment is carried out using an external mass standard of the right accuracy and weight value, which value depends on balance type and capacity.

| Balance model	Mass standard [g]
WLC 6/F1	5000
WLC 12/F1	10 000
WLC 30/F1	20 000
WLC 60/C2	50 000
WLC 120/C2	100 000

⚠️ **The adjustment mass standard does not come with the balance. Prior to adjustment prepare the right mass standard. You are recommended to use a mass standard of class F1 or F2. View the table and select the mass standard you need.**
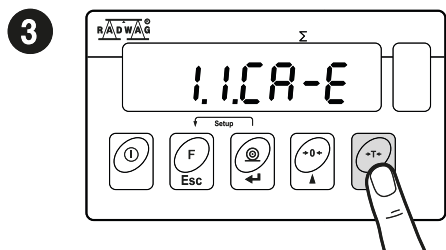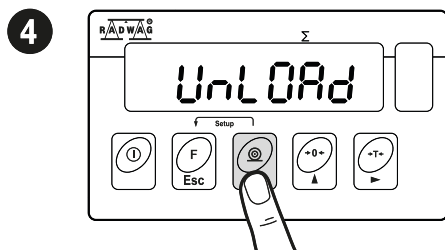
1

Simultaneously press `Esc F` + `⚖` keys to enter home screen.
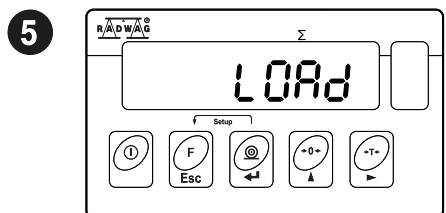
2
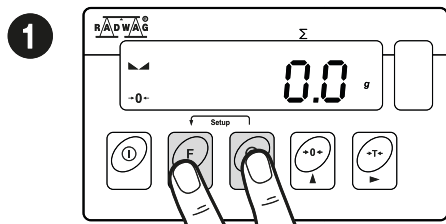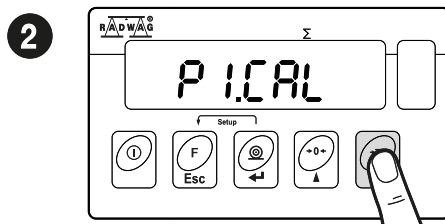
While "P1.CAL" parameter is on, press `►→T←` key.

3

While "1.1.CA-E" parameter is on, press `►→T←` key.
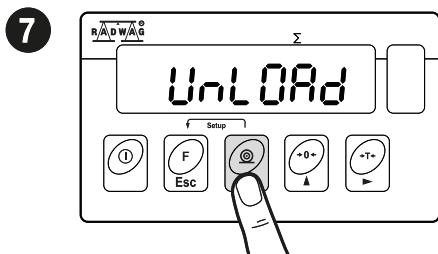
4

Unload the weighing pan and press `⚖` key.

5

Prepare suitable mass standard.

6
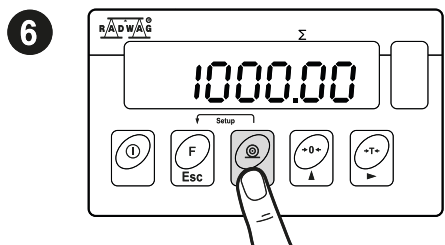
Load the weighing pan with the mass standard and press `⚖` key.

7

UnLOAd

Unload the weighing pan.

8

1.1.CA-E
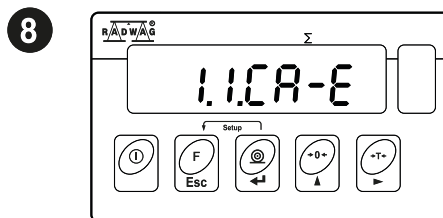
Adjustment completed.

7.2. Zeroing

1

Σ

0.5 g
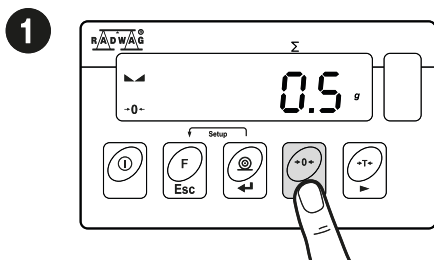
Make sure that the weighing pan is empty and press [+0+] key.

2

NET Σ

0.0 g
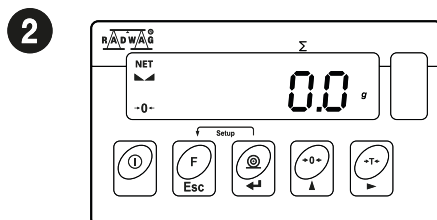
The balance has been zeroed.

7.3. Taring

1

Σ

2.5 g
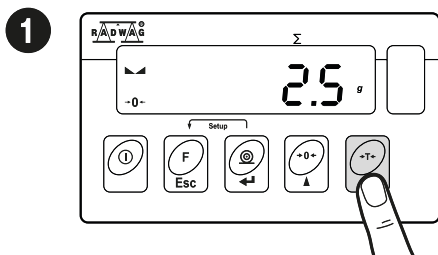
With loaded weighing pan: upon stabilisation of the weighing result, press [→T←] key.

2

NET Σ

0.0 g
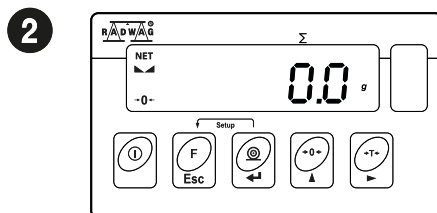
The balance has been tared.

7.4. Working modes accessibility

1

Simultaneously press [Esc F] + [↵] keys to enter home screen.

2
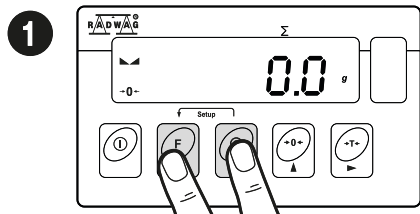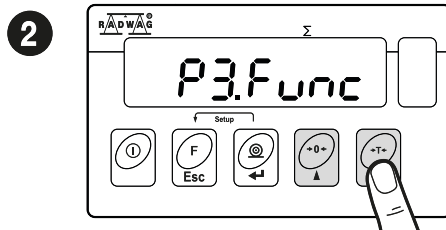
Using [→0←] key select "P3.Func" parameter and press [→T←] key.

3
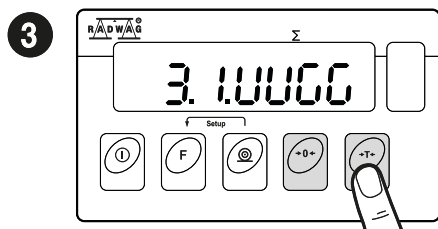
While "3.1.UUGG" parameter is on, press [→T←] key.

4
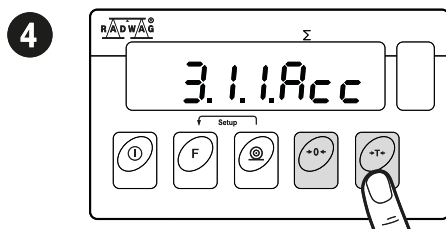
Using [→0←] key select "3.1.1.Acc" parameter and press [→T←] key.

5
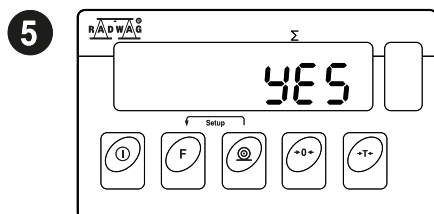
Using [→0←] key select "YES" value and press [↵] key to confirm.

i **To configure other working modes, follow the above procedure.**

7.5. Selecting working mode

Using [Esc F] key enter working modes menu.

Using [↑ →0→] key select working mode and press [⊚ ↵].

The menu features the following working modes:

- Weighing
- Parts counting
- +/- Control
- Percent Weighing
- Peak Hold
- Totalising

> ℹ️ **Detailed overview of the settings of the working modes is to be found in balance's main user manual.**

7.6. Weighing unit selection

⚠️ **When the main unit is g (gram), the user has the following units: g (gram), ct (karat), lb (pound).***

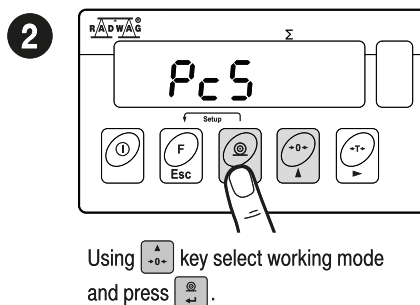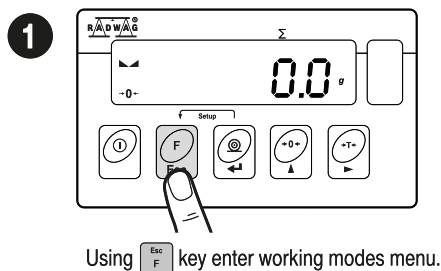Simultaneously press [Esc F] + [⊚ ↵] keys to enter home screen.

Using [↑ →0→] key select "P9.Unit" parameter and press [► →T→] key.

Using [↑ →0→] key select "9.2.Unin" parameter and press [► →T→] key.

Using [↑ →0→] key select weighing unit and press [⊚ ↵] key to confirm.
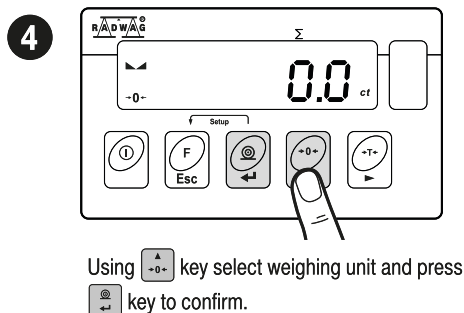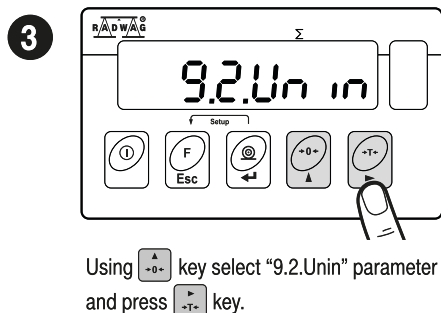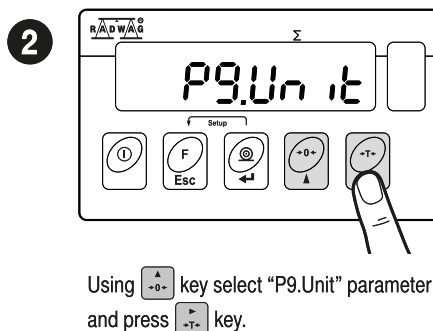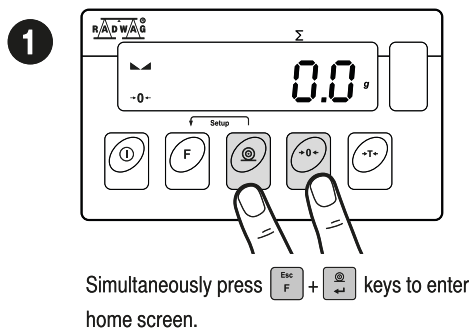
8. PERIPHERAL DEVICES CONNECTORS

Power adapter

Computer

0.000

Additional display

Printer

Barcode scanner

DC

DB9

DC

RS 232

Wi-Fi®

Computer

Printer
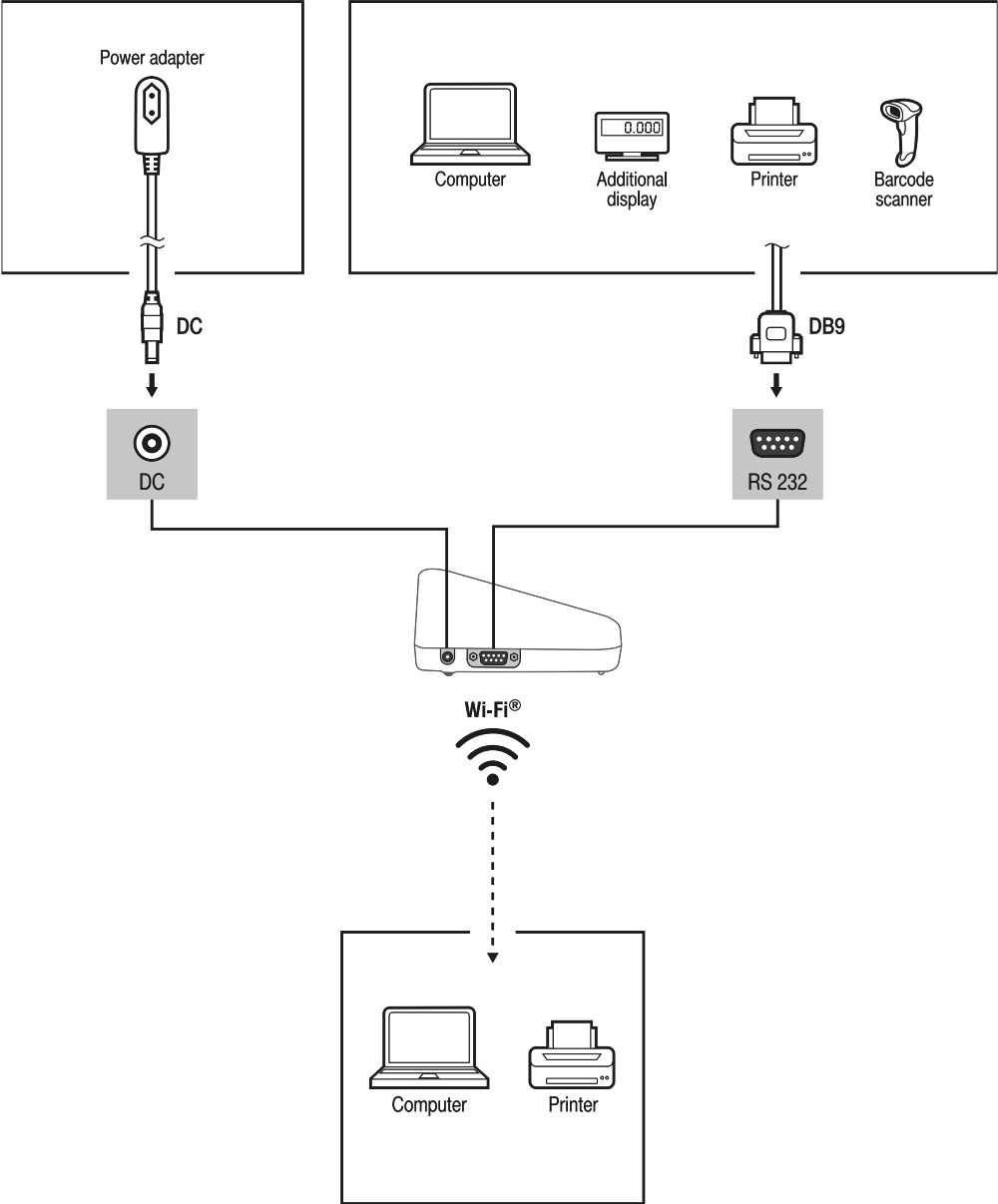
9. DEVICE CLEANING

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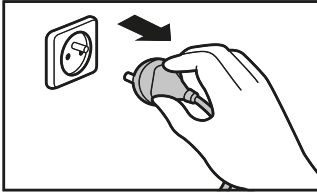
Prior to cleaning it is necessary to disconnect the device from the mains! Remove the plug from the outlet, disconnect all cables.

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!

Apply the cleanser onto the cloth. Mind not to apply the cleanser directly onto the device!

⚠️ Do not use aggressive cleaning agents (e.g. solvents, chlorine preparations, corrosive chemicals, bleach).
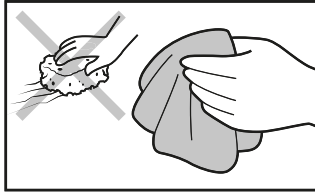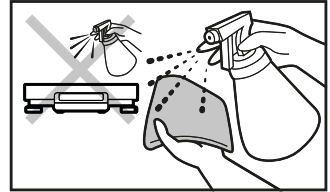
⚠️ Neither use substances of sharp structure nor intended for scrubbing.

⚠️ Make sure that neither dust nor liquid gets inside the weighing system (device inside).

11.2. Cleaning instructions

- **GLASS PANES AND COMPONENTS** can be cleaned using window cleaner.

- **WEIGHING PANS AND STAINLESS STEEL OR ALUMINIUM 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 brush or handheld vacuum cleaner.

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

- **Install all the components providing they are completely dry.**

RADWAG BALANCES AND SCALES
ADVANCED WEIGHING TECHNOLOGIES

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