

Start up Guide

# **TCH**

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## **Series Balances**



# 1. CONTENT



Balance  
x1



Weighing pan  
x1



Grounding foot  
x1



Foot  
x3

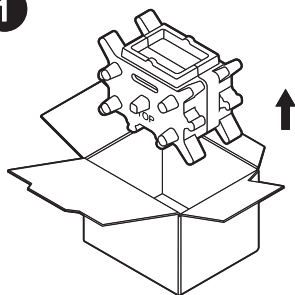


Power adapter\*  
x1

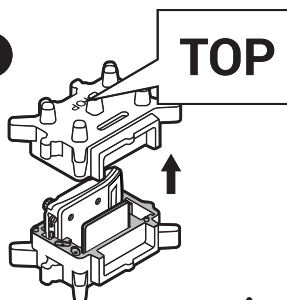
*\*The plug type may vary by country.*

# 2. UNPACKING

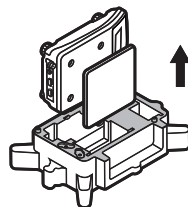
1



2

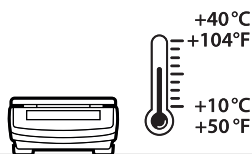


3



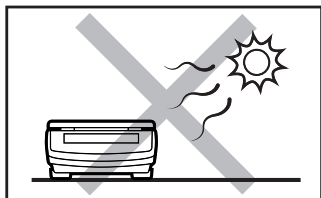
Keep the packaging should a warranty claim or service be required.

### 3. RECOMMENDATIONS AND WARNINGS

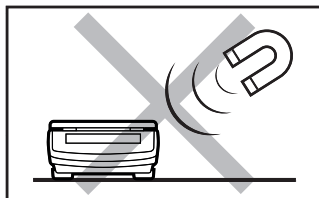


Operate the device in a room where the temperature ranges between 10–40 °C (50–104 °F) and where the relative humidity is below 80%.

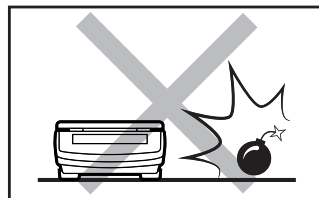
Place the balance on a solid surface to ensure stability. To obtain stable and repeatable weighing results, an anti-vibration table is recommended.



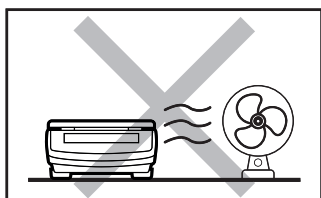
Place the balance away from heat sources. Avoid exposing the balance to the sunlight.



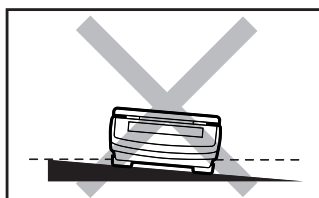
Avoid exposing the balance to a magnetic field. Do not weigh magnetic substances.



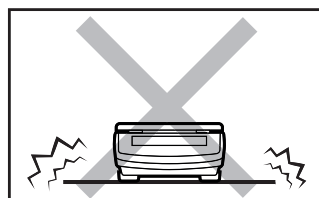
Do not place the balance in a hazardous area. Do not weigh explosive materials.



Avoid air drafts and air movements at the workstation.



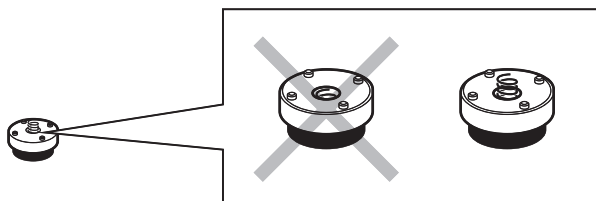
Make sure that the balance is placed on an even surface.



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

### 4. ACTIVITIES TO BE DONE PRIOR TO OPERATION

#### 4.1. Grounding spring check



Check the grounding spring is in the correct location.

Make sure the spring juts slightly out of the hole.

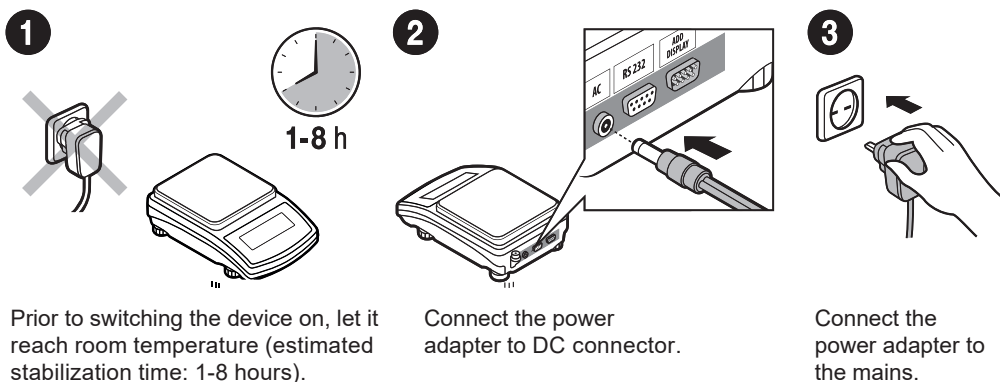


## 5. COMPONENTS ASSEMBLY

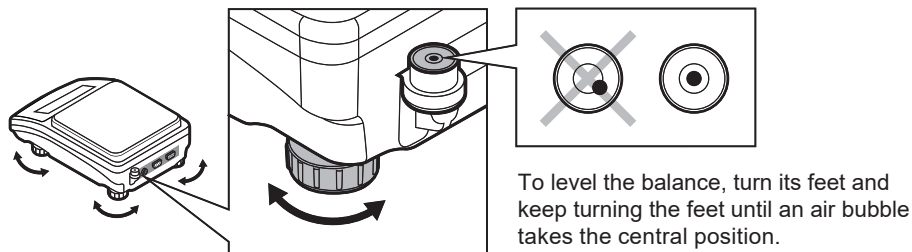


## 6. PREPARING FOR WORK

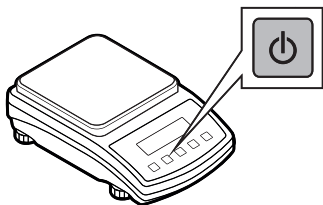
### 6.1. Temperature stabilization time




### 6.2. Leveling



# 6.3. Switch the balance on



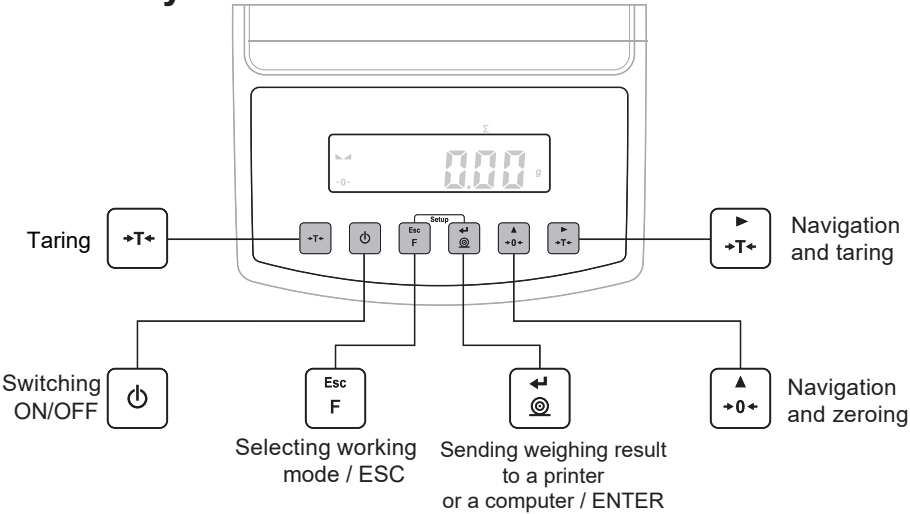


Your balance is ready to use!

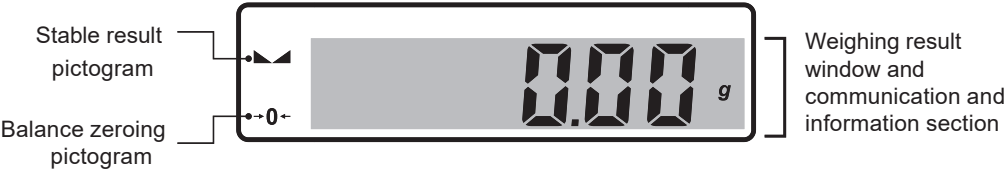
To switch the device on, press ON / OFF key.

## 7. PANEL AND SCREEN

### 7.1. Panel keys



### 7.2. Home screen



## 7.2. Home screen

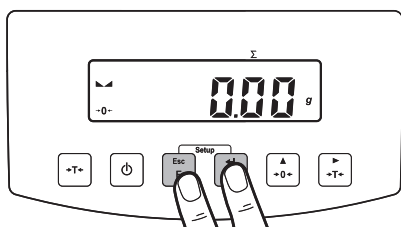
[illegible]



Df]cf'UX' gla YbhdYdUfY'H Y'f][ \ ha Ugg'gHUbXUfX"  
Mci 'UfYfYWta a YbXYX'lc'i gY'a Ugg'gHUbXUfX'cZ  
WUgg : %cf' : &Zcf'dfYWg]cb'VU UbWYg"

JJYk 'h Y'hUV'Y'UbX'gY'YWh'Y'a Ugg'gh'UbXUF'X'mci 'bYYX"

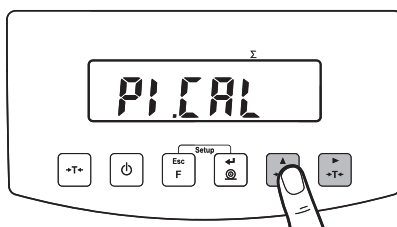
Balance model	Mass standard [g]
TCH-1002	1000
TCH-2002	2000
TCH-6001	5000
TCH-10001	10000
TCH-20001	20000



1



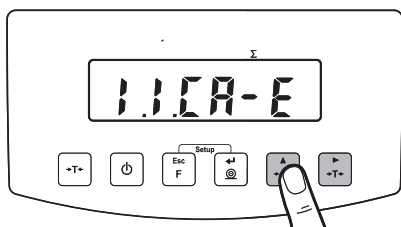
Simultaneously press  +  keys to enter home screen.



2



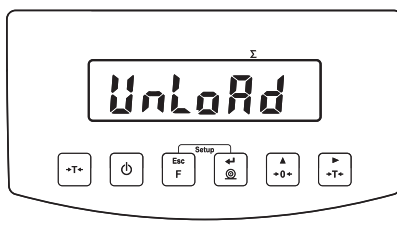
Using  key select "P1.CAL" parameter and press  key.


3



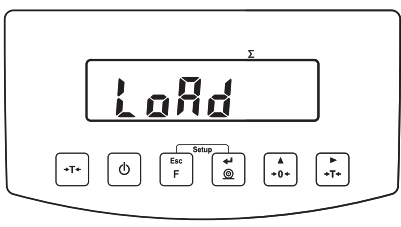
Using  key select "1.1.CA-E" parameter and press  key.

4



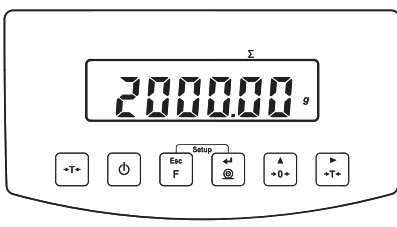
Remove any load from the weighing pan.  
Press  key.

5



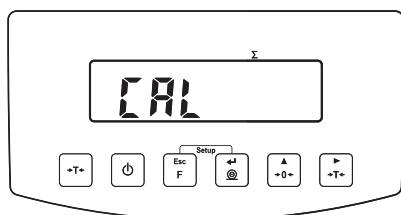
Prepare suitable mass standard.

6



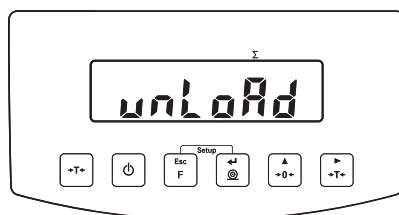
Load the weighing pan with the mass standard.

7



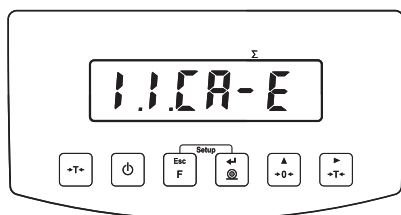
Wait for the adjustment completion.

8



Unload the weighing pan.

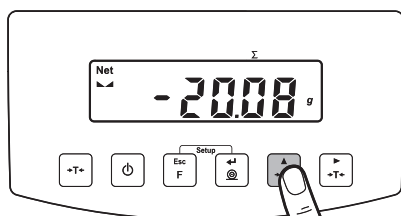
9




Adjustment completed.

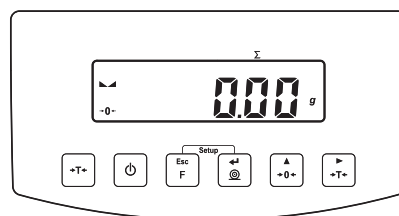
## 8.2. Zeroing

1



With unloaded weighing pan press  key.

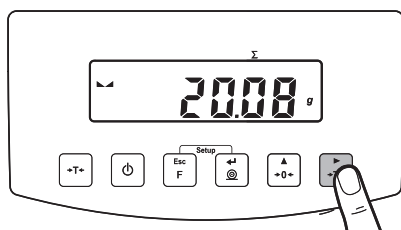
2




The balance has been zeroed.

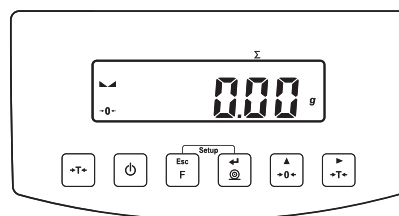
## 8.3. Taring

1



With loaded weighing pan,  
upon result stabilization, press  key.

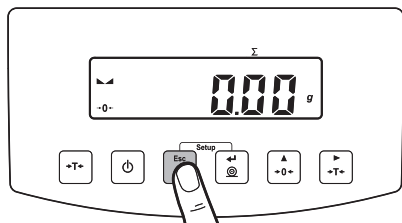
2



The balance has been tared.

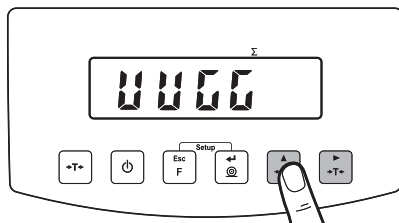
## 8.4. Working modes

1



Using **Esc F** key enter working modes menu.

2



Using **▲ +0+** key select working mode and press **▶ -T+** key.

The menu features the following working modes:

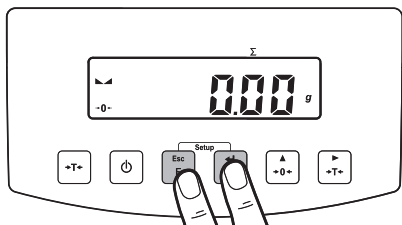
- Weighing
- Parts Counting
- +/- control
- Percent weighing %
- Peak Hold
- Totalizing
- Animal Weighing



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

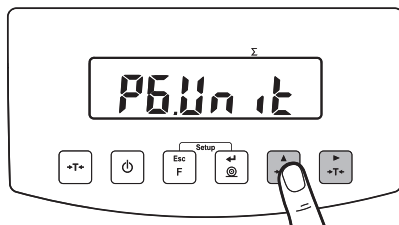
## 8.5. Weighing unit selection

1



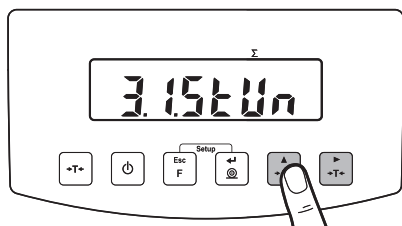
Simultaneously press **Esc F** + **▲ +0+** keys to enter setup screen.

2



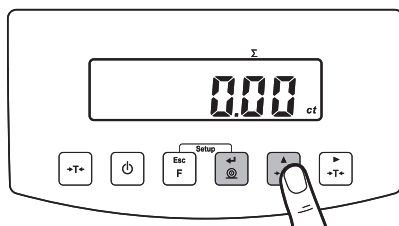
Using **▲ +0+** key select "P6.Unit" parameter and press **▶ -T+** key.



3



In "3.1.StUn" parameter press  key

4

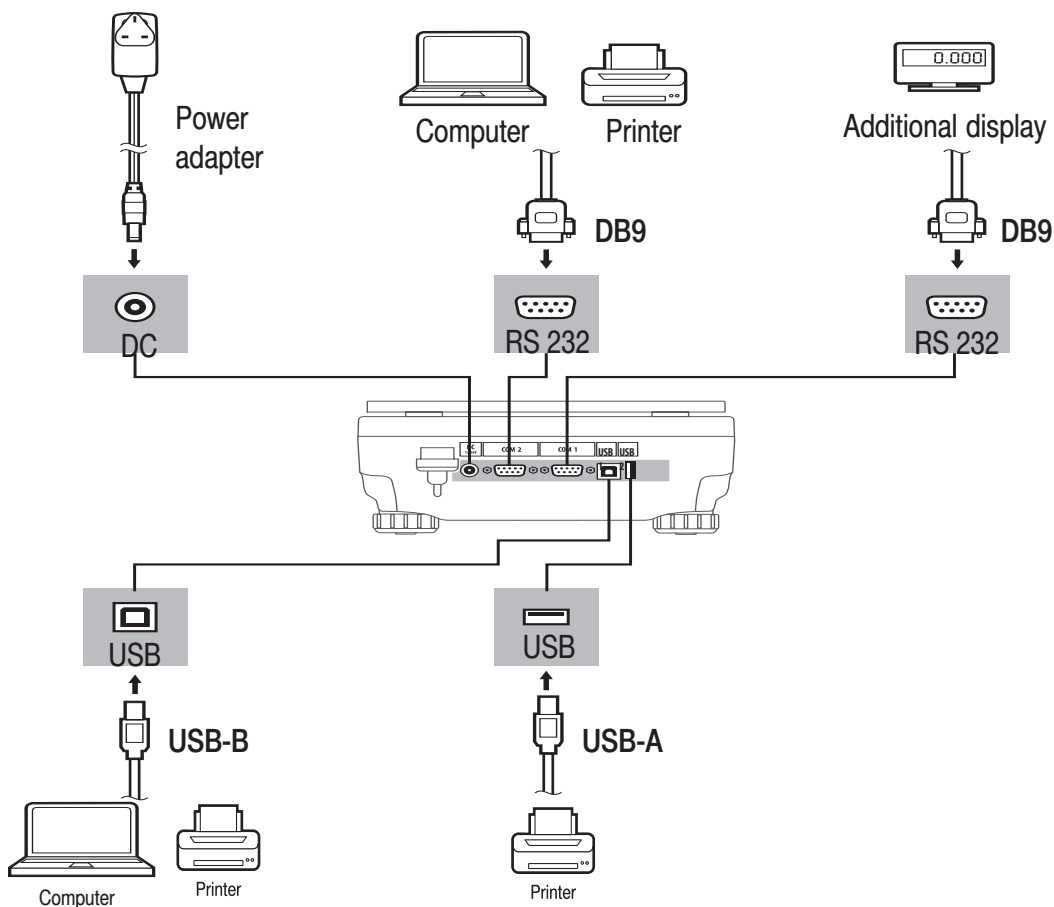


Using  key select weighing unit and press  key to confirm.

**The balance enables selecting the following weighing units:**

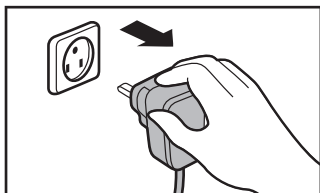
- g (gram)
- ct (carat)
- lb (pound)

## 9. PERIPHERAL DEVICES CONNECTORS

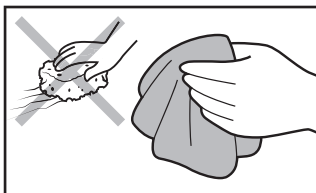


## 10. DEVICE CLEANING

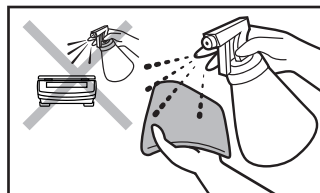
### 10.1. General Recommendations



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



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



**Do not use substances of sharp structure or intended for scrubbing**



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

### 11.2. Cleaning Instructions

**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.**

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