

# Weighing Tables

PSW  
PSW / DUAL

USER MANUAL

IMMU-40-02-04-16-EN



**RADWAG BALANCES AND SCALES**  
ADVANCED WEIGHING TECHNOLOGIES

If you are reading this, it means that you are bound to achieve success. You have purchased a device that was designed and manufactured to give you years of service.

Congratulations and thank you for selecting RADWAG product.

APRIL 2016

**Contents**

**1. INTENDED USE ..... 4**

**2. UNPACKING ..... 5**

**3. DIMENSIONS ..... 6**

**4. ASSEMBLY: PSW TABLE ..... 8**

**5. ASSEMBLY: PSW/DUAL TABLE ..... 14**

**6. CLEANING ..... 20**

# 1. INTENDED USE

Weighing table is intended for microbalances and analytical balances. It may be used as a workstation for pipettes calibration.

In the course of design process all factors guaranteeing fast, ergonomic and smooth operation were taken into account.

The design covers a separate built-in anti-vibration table with a stone top. This solution eliminates potential vibrations and shortens balance stabilization time.

The table is both functional and ergonomic solution.

Use:

- Pipettes calibration workstation;
- Laboratory workstation for microbalances;
- Laboratory workstation for analytical balances.

Weighing workstation versions:

- PSW single professional weighing workstation,
- PSW/DUAL double professional weighing workstation

Workstation's components:

- table with lockers,
- Anti-vibration table with stone top.

The desk has been manufactured using HPL laminated chipboard. It is equipped with 2 lockers and a sliding shelf for a computer, a mouse and a keyboard. The weighing table provides space for an emergency UPS power supplier or power strip.

The rear part of the countertop features a platform for placing a LCD display.

The anti-vibration table is made of powder coated mild steel. The stone top is a granite plate 410×270×115 mm.

## 2. UNPACKING

Take all weighing table components out of the packaging and check if nothing is missing, refer to the below list of components.

### Table components list

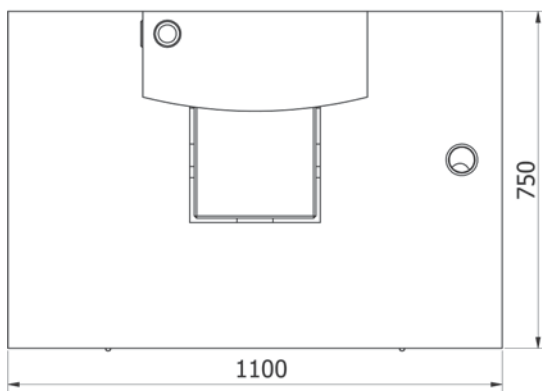
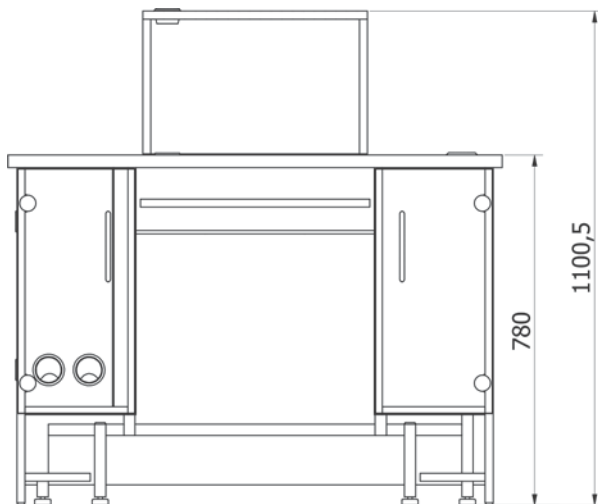
|                                     | PSW | PSW/DUAL |
|-------------------------------------|-----|----------|
| Internal frame supporting stone top | 1   | 1        |
| External design                     | 1   | 1        |
| Stone top                           | 1   | 2        |
| Monitor rack                        | 1   | 1        |
| Liquid container                    | 1   | 1        |

### Electronic components list

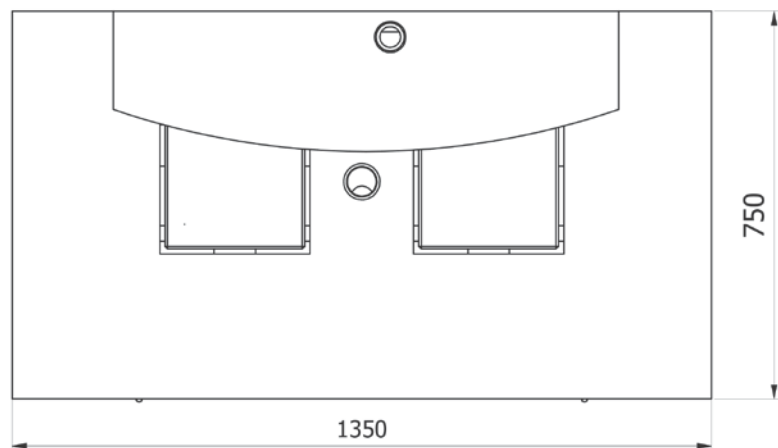
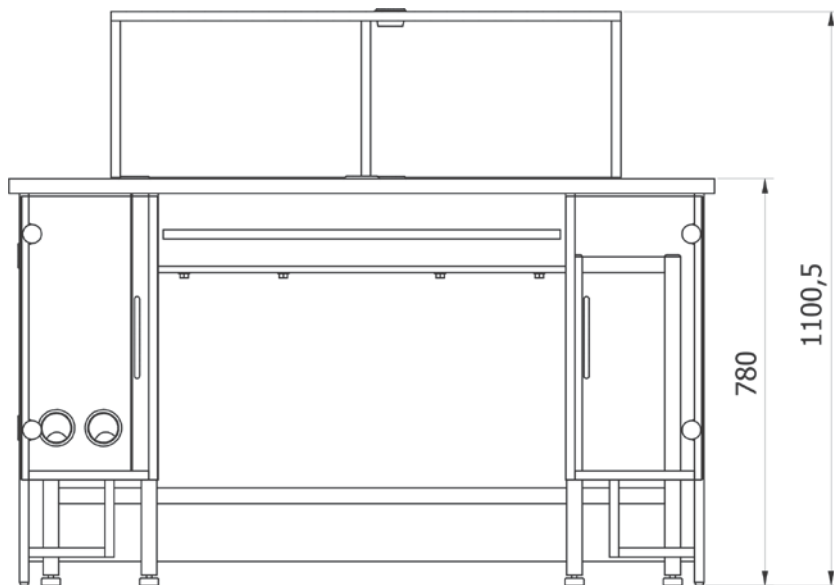
|                                   | PSW | PSW/DUAL |
|-----------------------------------|-----|----------|
| PC                                | 1   | 1        |
| LCD                               | 1   | 1        |
| Wireless PC keyboard              | 1   | 1        |
| Wireless PC mouse                 | 1   | 1        |
| Power strip                       | 1   | 1        |
| THB-3/3 Thermo-hygro-barometer    | 1   | 1        |
| THB-2-50 sensor                   | 1   | 1        |
| THB-R Ambient Conditions Recorder | 1   | 1        |
| Liquid aspirator                  | 1   | 1        |

### 3. DIMENSIONS

PSW table



PSW/DUAL table

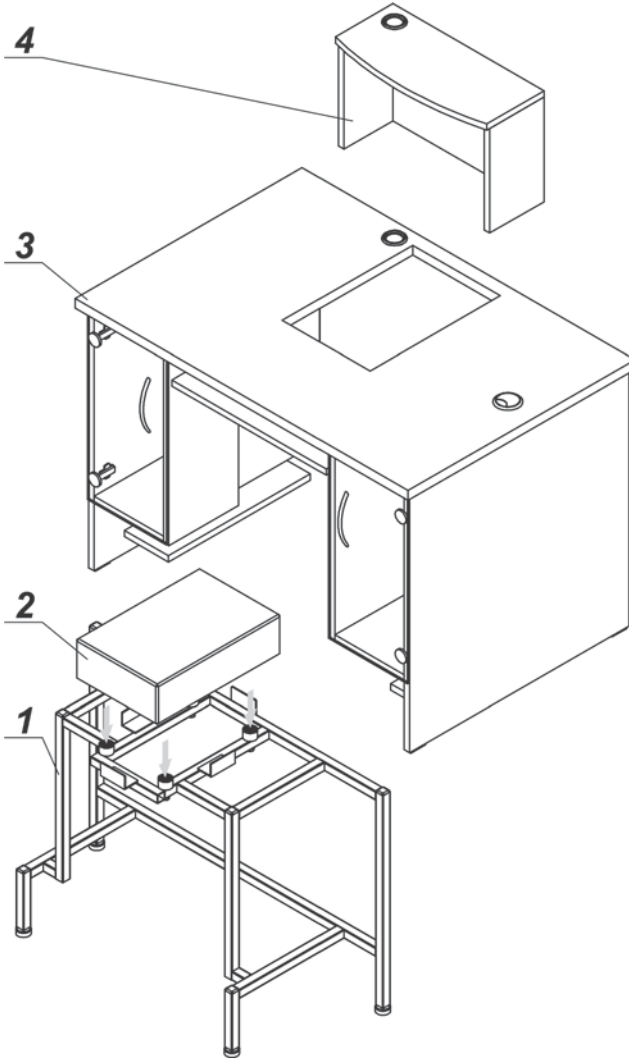


## 4. ASSEMBLY: PSW TABLE

### 4.1. Workstation assembly

CAUTION: Be extremely careful when assembling the workstation since some components, e.g. stone top, are heavy and pose danger.

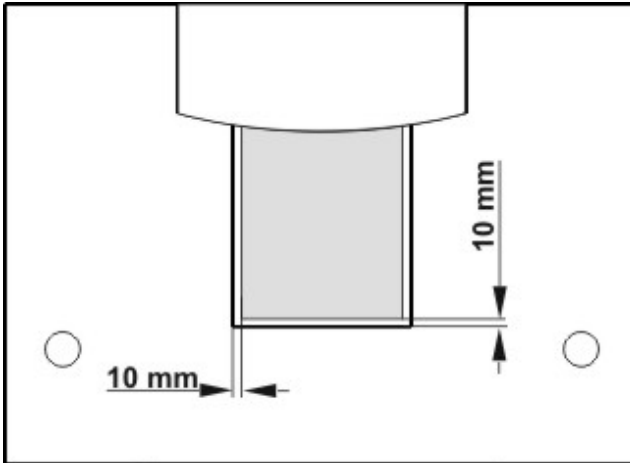
While assembling your workstation follow the below diagram.





Assembly order:

1. Set an internal frame (1) on its target site.
2. Put stone top (2) onto shock absorbers, mind that the top cannot touch side stops.
3. Install the external design (3).

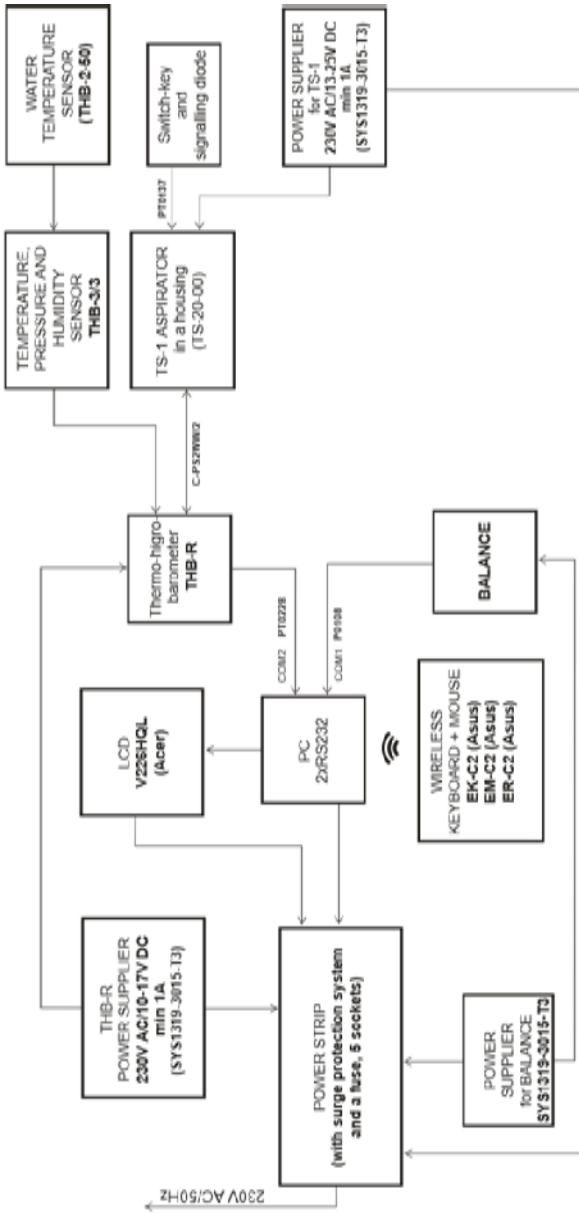


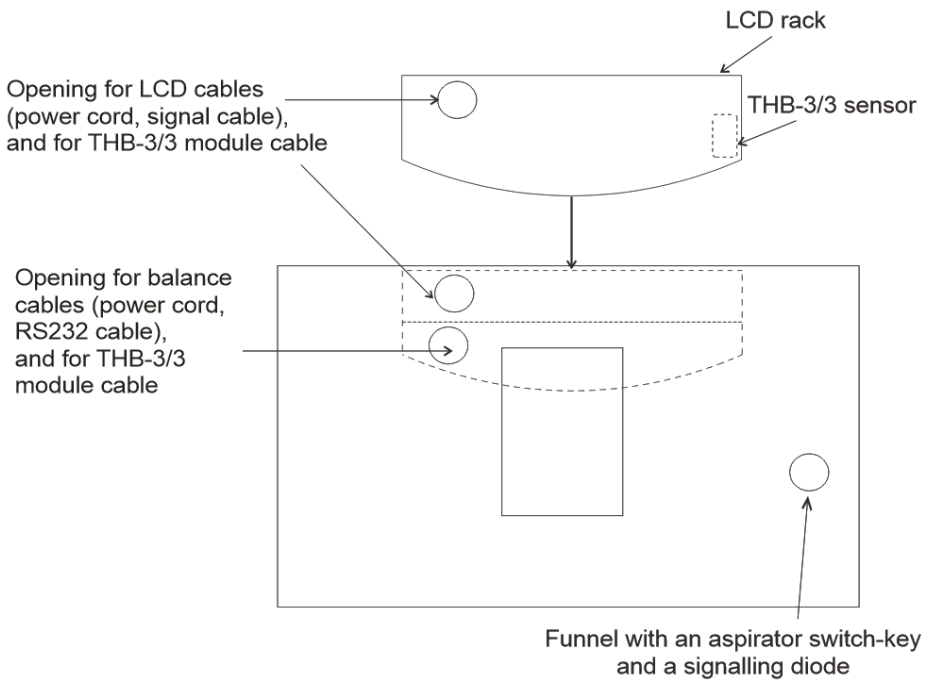
Remember to keep about 10-millimeter wide space (each side) between the stone top and the weighing table desk.

4. Install monitor rack (4).
5. Open the right locker and install liquid container (the container must be installed in a holder placed inside the locker). Connect flexible wires to the container.

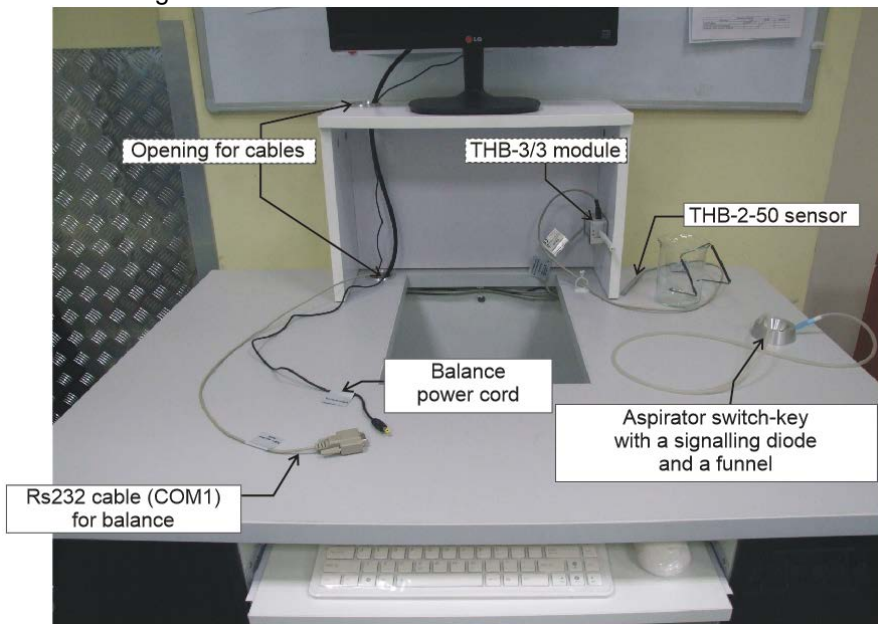
Now you can equip your workstation with electronic components.

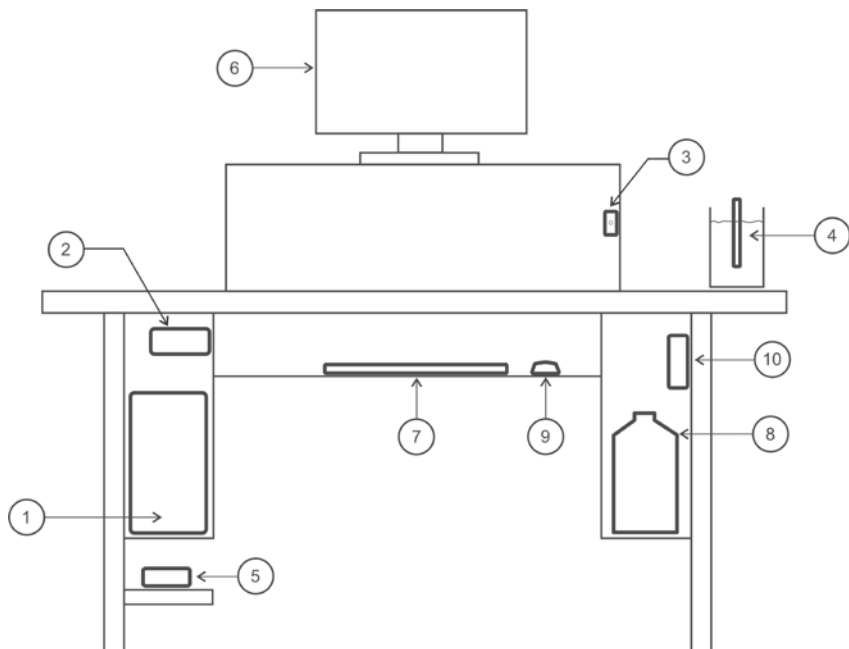
Connect the workstation components, refer to below block diagram and to equipment and cables descriptions.





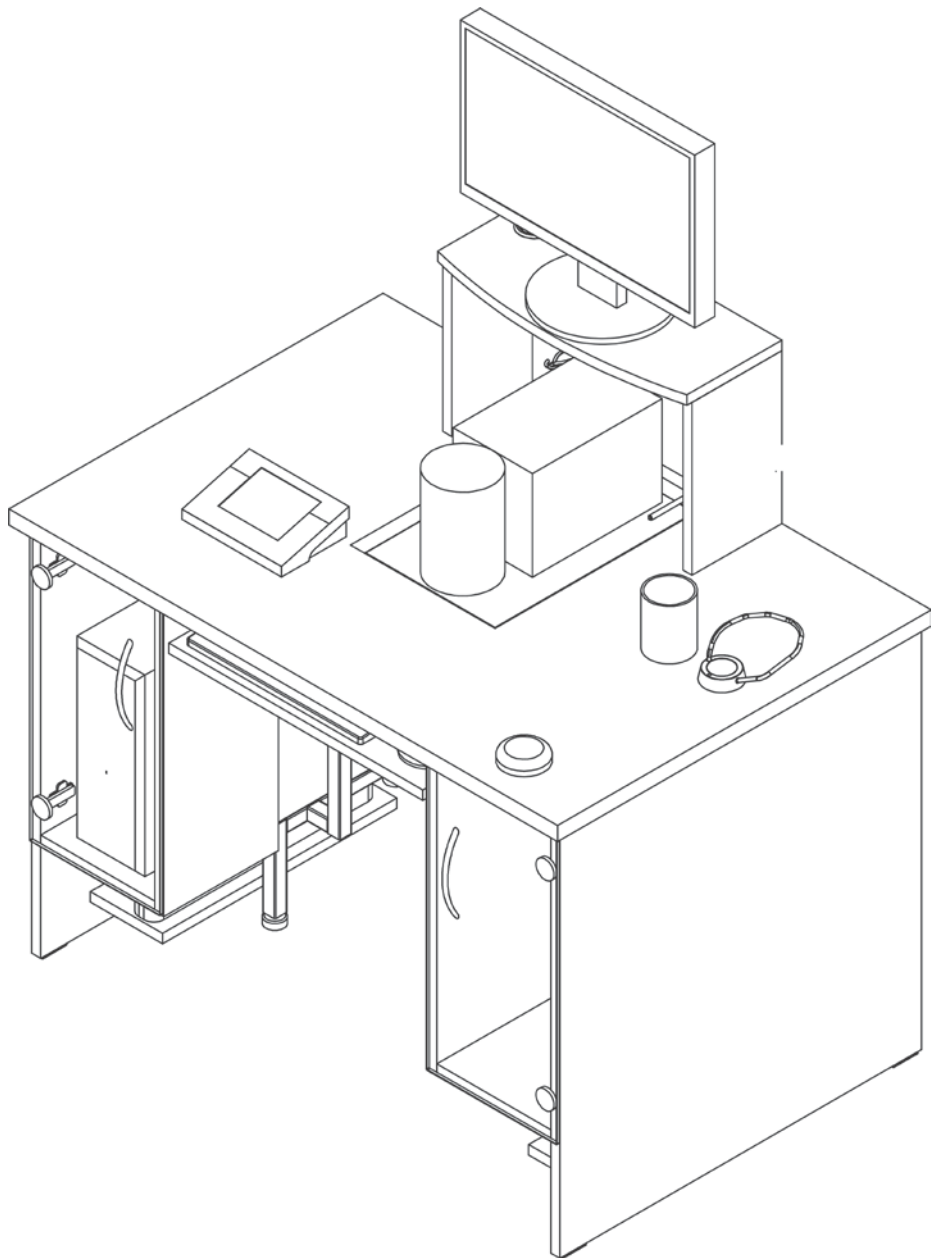
### Cables arrangement





|     |                                   |
|-----|-----------------------------------|
| 1.  | PC                                |
| 2.  | THB-R Ambient Conditions Recorder |
| 3.  | THB-3/3 Thermo-hygro-barometer    |
| 4.  | THB-2-50 sensor                   |
| 5.  | Power strip                       |
| 6.  | LCD                               |
| 7.  | PC keyboard                       |
| 8.  | Liquid container                  |
| 9.  | Wireless PC mouse                 |
| 10. | Liquid aspirator                  |

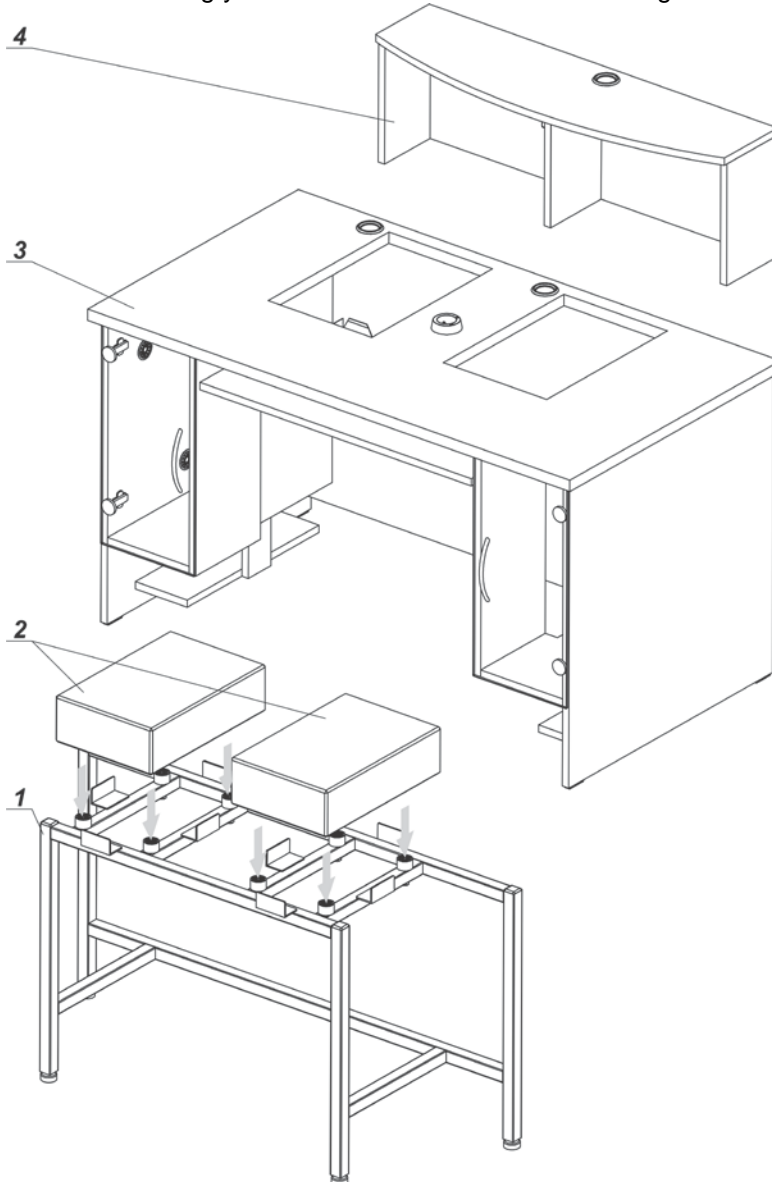
WORKSTATION PERSPECTIVE VIEW:



## 5. ASSEMBLY: PSW/DUAL TABLE

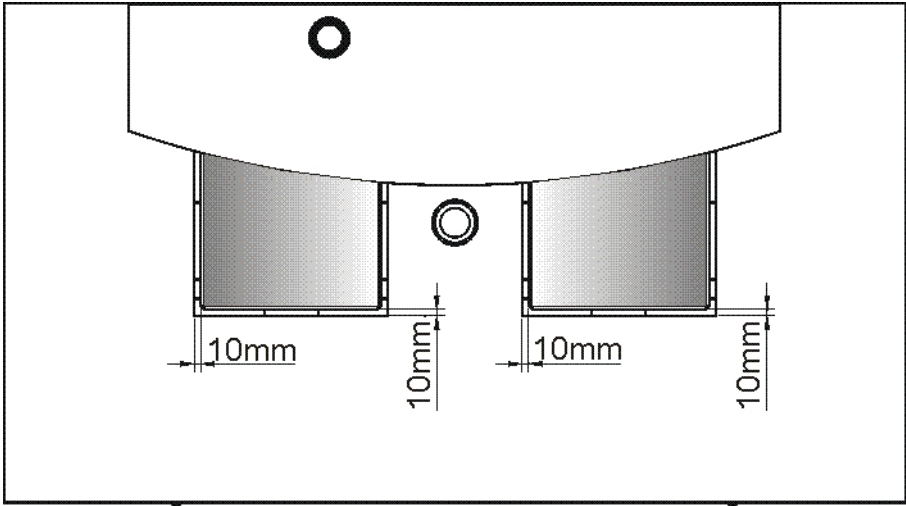
### 5.1. Workstation assembly

CAUTION: Be extremely careful when assembling the workstation since some components, e.g. stone top, are heavy and pose danger. While assembling your workstation follow the below diagram.



Assembly order:

1. Set an internal frame (1) on its target site.
2. Put stone tops (2) onto shock absorbers, mind that the tops cannot touch side stops.
3. Install the external design (3).

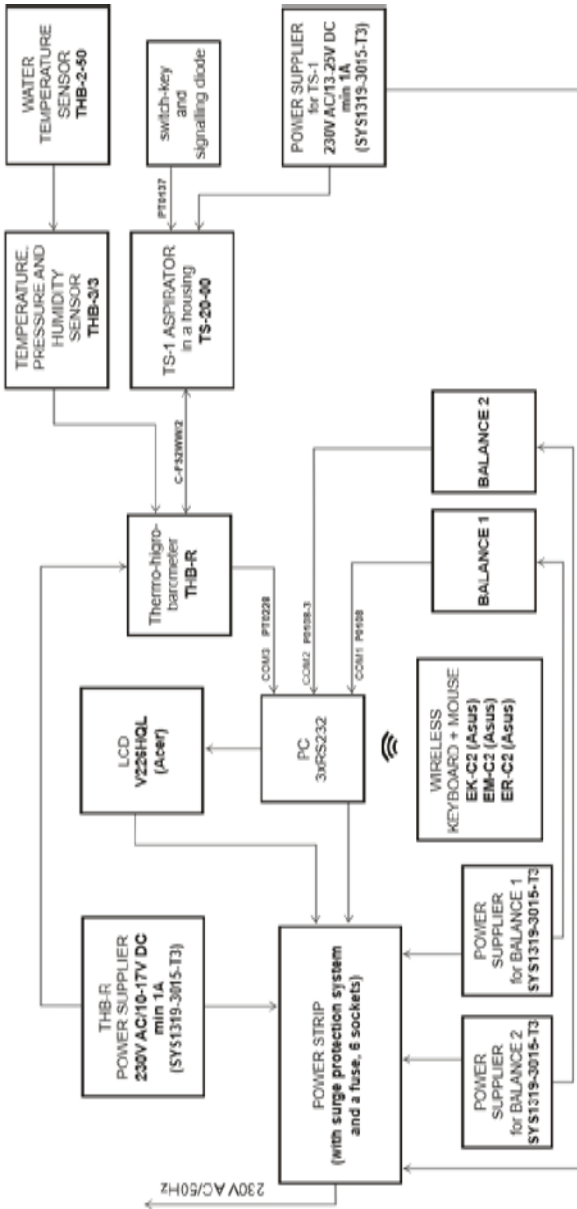


Remember to keep about 10-millimeter wide space (each side) between the stone top and the weighing table desk.

4. Install monitor rack (4).
5. Open the left locker and install liquid container (the container must be installed in a holder placed inside the locker). Connect flexible wires to the container.

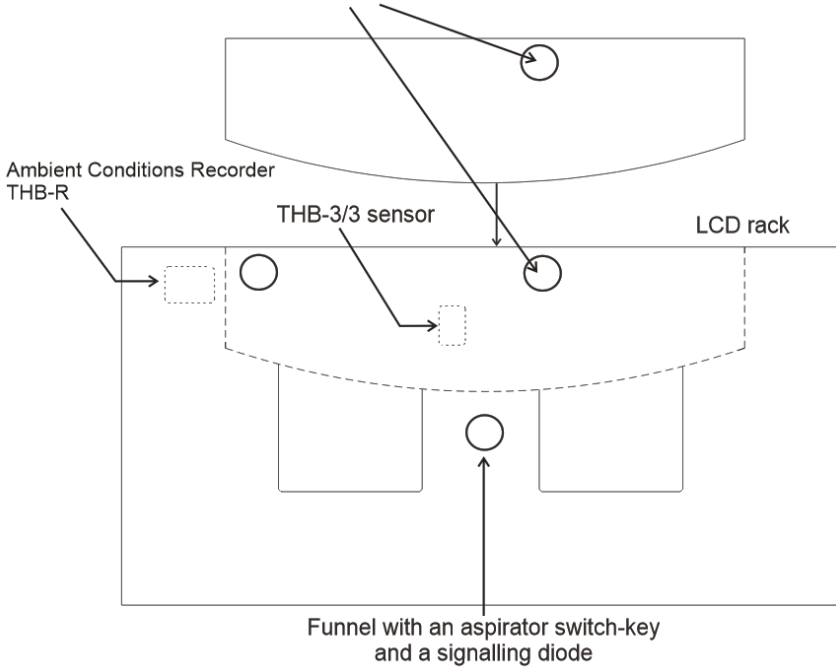
Now you can equip your workstation with electronic components.

Connect the workstation components, refer to below block diagram and to equipment and cables descriptions.

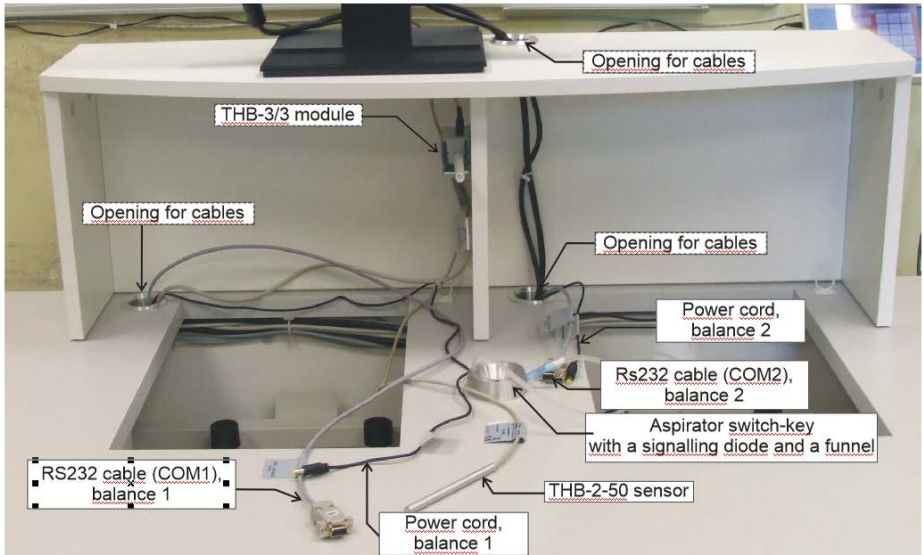


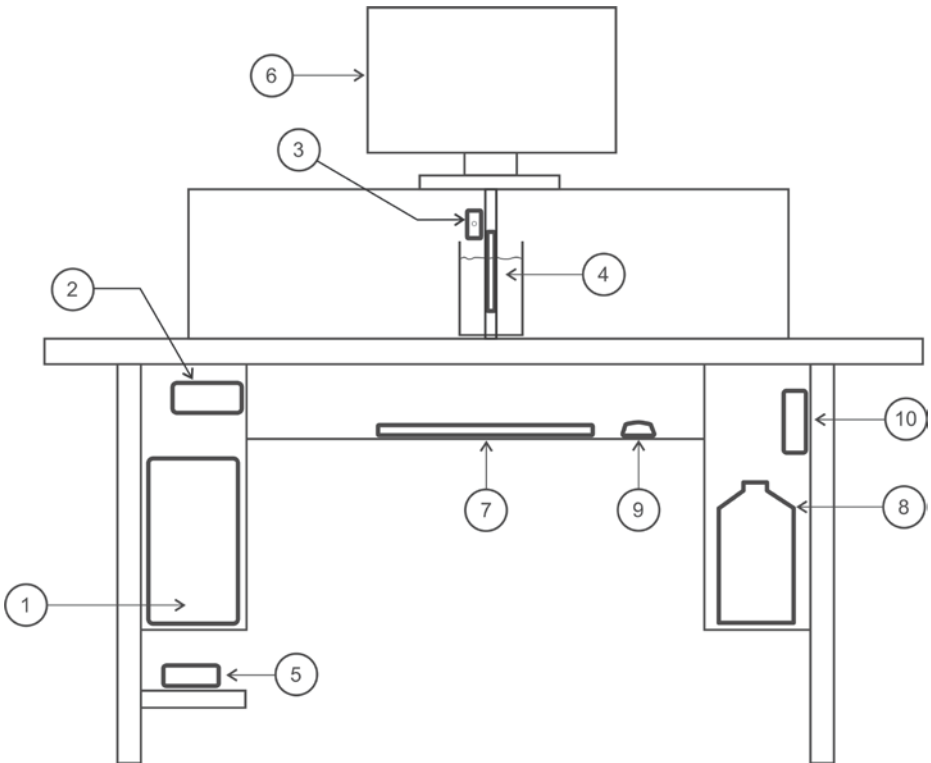


Opening for LCD cables (power cord, signal cable),  
and for THB-R recorder (RS-232 cable, TS-1 aspirator, power supply)



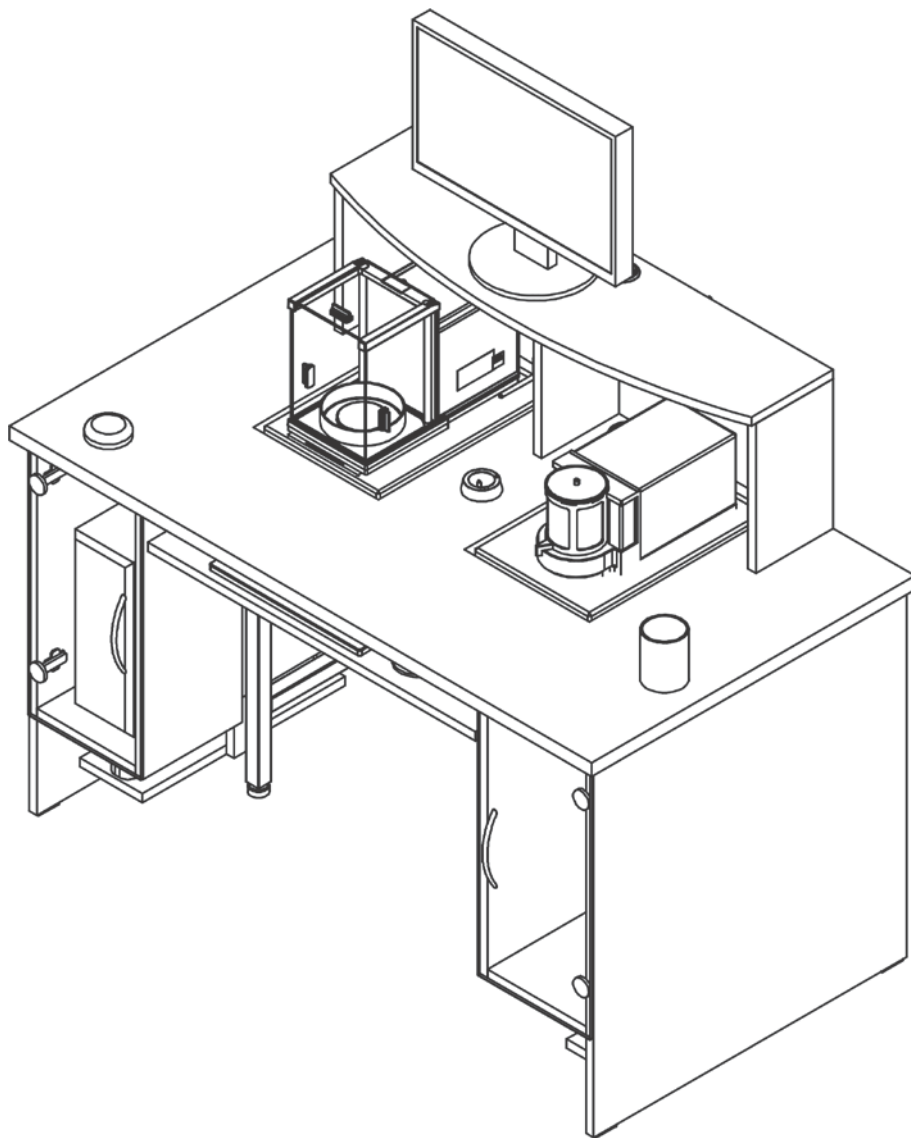
### Cables arrangement





|     |                                   |
|-----|-----------------------------------|
| 1.  | PC                                |
| 2.  | THB-R Ambient Conditions Recorder |
| 3.  | THB-3/3 Thermo-hygro-barometer    |
| 4.  | THB-2-50 sensor                   |
| 5.  | Power strip                       |
| 6.  | LCD                               |
| 7.  | PC keyboard                       |
| 8.  | Liquid container                  |
| 9.  | Wireless PC mouse                 |
| 10. | Liquid aspirator                  |

WORKSTATION PERSPECTIVE VIEW



## 6. CLEANING

Prior cleaning it is necessary to disassembly the balance and the LCD.

### Cleaning chipboard components:

Clean the table using slightly wet microfiber cloth with soap or washing-up liquid, avoid using abrasive substances.

Having removed dirt polish the surface using dry cloth.

### Cleaning granite top:

Clean the granite top using slightly wet microfiber cloth with mild washing-up liquid or neutral PH cleaner intended for granite. Do not use abrasive substances.

Clean the top rubbing it gently from side to side. Do not use circular movements! Avoid using wire brushes and alike tools.

Having removed dirt polish the surface using dry cloth.

### Cleaning stainless steel table:

While cleaning stainless steel components avoid using caustic substances, e.g. bleaching agents (containing chlorine). Do not use abrasive substances. Always use microfiber cloth to remove dirt thus protecting protective layers against damage. Take special precautions, e.g. wear protective clothing. Remember to ventilate the room in the course of the cleaning process.

Daily cleaning routine (removal of small stains included):

1. Remove dirt using wet cloth (immerse it in warm water).
2. Add drop of washing-up liquid (option).

### Cleaning glass components:

For cleaning glass use dissolvent, select it referring to dirt nature. Never soak glass in alkaline solutions since these may affect glass. Do not use abrasive substances. For other than organic dirt use diluted acid solutions (soluble salts of hydrochloric or nitric acid) or base solutions (ammonium or sodium base).

To remove ACIDS use protofilic solvent (sodium carbonate), to remove BASE use protogenic solvent (mineral acid of various concentration).

In case of heavy contamination use brush or detergent nevertheless avoid detergents containing large and hard molecules which could potentially scratch glass.

Use soft brush with wooden or plastic handle exclusively to avoid risk of scratches. Do not use wire brush.

At the end of the cleaning process rinse the pane using running water first, distilled next.

Rinsing is a necessary cleaning process stage allowing to remove remaining soap, detergents and other cleansers from the panes prior their reinstallation.

Avoid drying the panes either using paper towel or forced air circulation since some fibres, grains or contamination of other type could permeate into the panes thus causing weighing errors.

One shall not use driers when drying measuring glass tools.

It is a frequent treatment to leave glass components on a rack to dry.

#### Cleaning powder-coated components:

For preliminary cleaning stage you need running water or wet sponge featuring large holes, this will help you to remove loose, heavy dirt.

Do not use cleansers containing abrasive substances.

Next using cloth and cleanser-water solution (soap, washing-up liquid) gently rub the cleaned surface.

Avoid using cleanser without water since it may result with damage of the cleaned surface, please mind that large amount of water mixed with cleanser is a must.

#### Cleaning aluminium components:

While cleaning aluminium components use products acid by nature, e.g. spirit vinegar, lemon. Do not use abrasive substances. Avoid using hard brush, this may cause scratches. It is recommended to use soft microfibre cloth.

While polishing the surface use circular movements. To polish the component use clean, dry cloth.



**RADWAG BALANCES AND SCALES**  
ADVANCED WEIGHING TECHNOLOGIES

