WORKSTATION FOR PIPETTES CALIBRATION

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In order to ensure measurement traceability, meet all the requirements resulting from supervision over measuring equipment and to facilitate the process of pipettes calibration RADWAG recommends effective and ergonomic solution for calibrating automatic pipettes conducted by a user - complete workstation for pipettes calibration.

Application:

1. Calibration of automatic pipettes from 1µl to 10ml:
- with fixed volume
- with adjustable volume.

2. Weighing of samples with maximum capacity up to 21g and accuracy d=1µg (in standard weighing chamber - pan ø 26mm).

Unit contents:

- table for calibration
- microbalance MYA 21.4Y.P
- anti-vibration table
- probe for temperature, humidity and pressure measurement
- probe for water temperature measurement
- sink for used water
- armrests
- LCD monitor
- PC with pre-installed software PIPETTES RADWAG
- power supply
- keyboard and mouse
- container for used water

** The pipettes and other small accessories are not included in the unit content*

The integral part of the workstation constitutes a microbalance MYA 21.4Y.P series (with a special calibration vessel and a evaporation ring) and a dedicated PC software “PIPETTES" by Radwag.

MEASURING MODULE:

1. Microbalance MYA 21.4Y.P:

An analytical balance designed especially for the purpose of pipettes calibration. The weighing chamber contains an evapouration ring minimizing the errors resulting from liquid evapouration process.

Basic parameters:

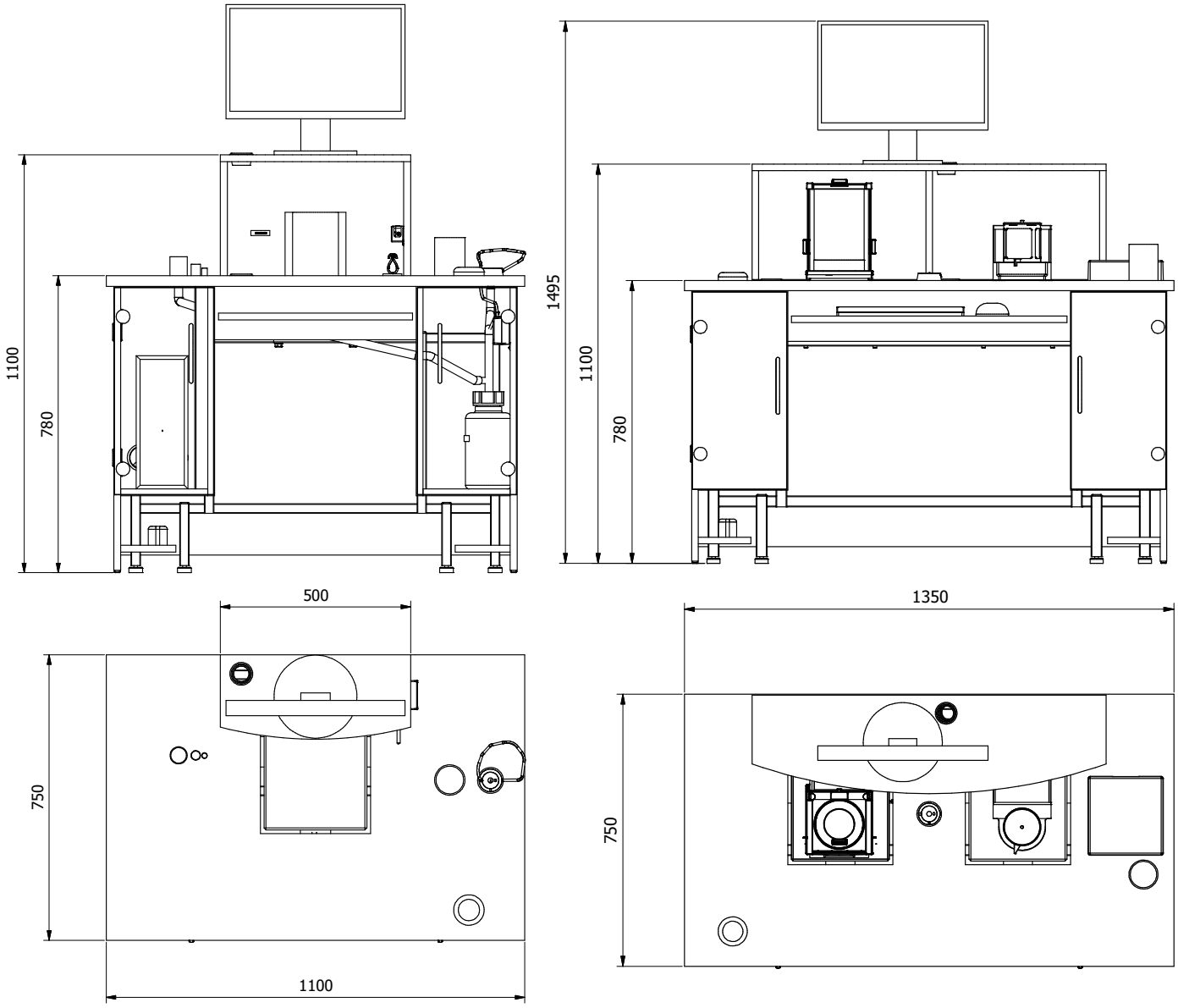
· Max: 21 g
· d = 1 µg
· repeatability: 1,5 µg
· linearity: ±7 µg

For more details and full technical data see instrument's product folder.

2. Weighing table:

The weighing table is designed with special emphasis on reliable, fast, comfortable and ergonomic operation. Workstation’s external construction is independent on internally mounted anti-vibration table featuring a stone table top. The design eliminates possible vibrations and considerably shortens stabilization time of operated balance.

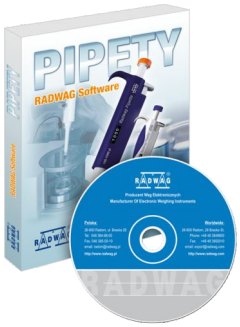
Dimensions of weighing tables:



AMBIENT CONDITIONS MODULE:

1. Probes for measurement of water temperature, relative humidity and atmospheric pressure.
Parameters:
· air temperature: d = 0,1°C
· relative humidity: d = 1 %
· atmospheric pressure: d = 1 hPa
2. Probe for measurement of distilled water temperature.
Parameters:
· water temperature: d = 0,1 °C

COMPUTING MODULE:



1. PC computer
with LCD monitor, keyboard and mouse

2. PIPETTES computer software
conducting all the computation related to the procedure of pipettes calibration using gravimetric method in accordance with international standard ISO 8655-6.
The program allows to generate calibration reports, archiving measurement results and complex management of a pipette according to the standard ISO 10012.

For more details and full technical data see instrument's product folder.

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