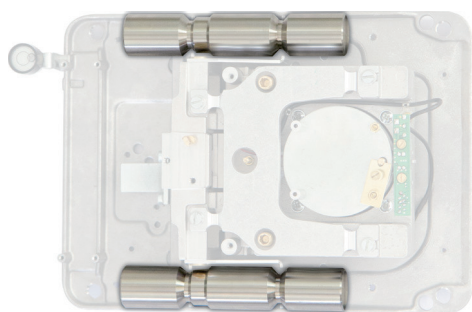# New R-series balances

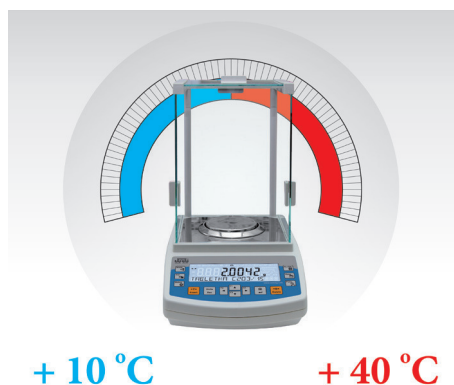New technological solutions

Precision in every condition

Auto-Cal System

Auto-Cal system is a tool for control and correction, which allows accurate weighing regardless of changes in temperature, the position of the balance or changing environmental conditions. This allows the R-series balances to offer accuracy in all conditions.
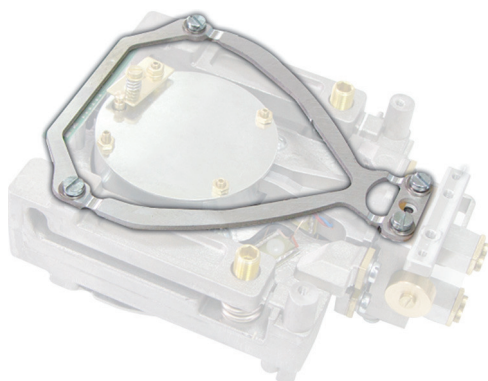

Operating temperature range

A wide operating temperature range does not require continuous monitor and control of room temperature, which affects the accuracy of the balance.

$+ 10 \,^{\circ}C$ $+ 40 \,^{\circ}C$

Repeatability

The monolithic system ensures even greater accuracy and repeatability of weighing due to consolidation of elements of the balance structure. Using such technology results in higher quality balances.
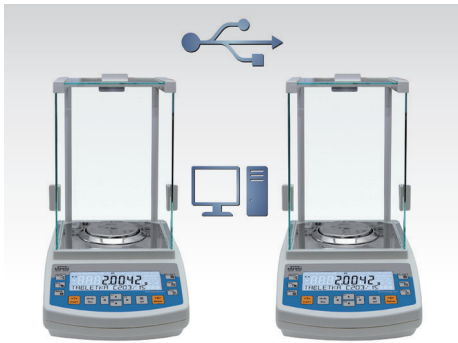

Resistance to ambient conditions

Increased resistance to fluctuating ambient conditions such as breezes and changes in humidity provides more accurate measurements.

podmuchy   wilgotność

Functionality and ergonomics

Easy exchange of data

Exchange of data within the system takes place bidirectionally with the use of fast USB connection. New balances enable importing and exporting of databases to external Pendrives.

Fast access to information

Direct access to functions and databases is possible through the quick access buttons on the display.

Database - direct access to database
Function - direct access to basic functions
F1 do F4 - programmable function buttons and menu navigation

Communication interface

The exchange of database information between the devices has become even easier thanks to two USB ports (type A and B) and Wi-Fi technology.

Information system

The new R-series balances feature information system, based on five types of databases, users with sufficient access rights to use the database of multiple products. The weighments collected in the weighing database can be further analysed:

- users (up to 10 users),
- products (up to 1000 products),
- weighments (up to 1000 weighments),
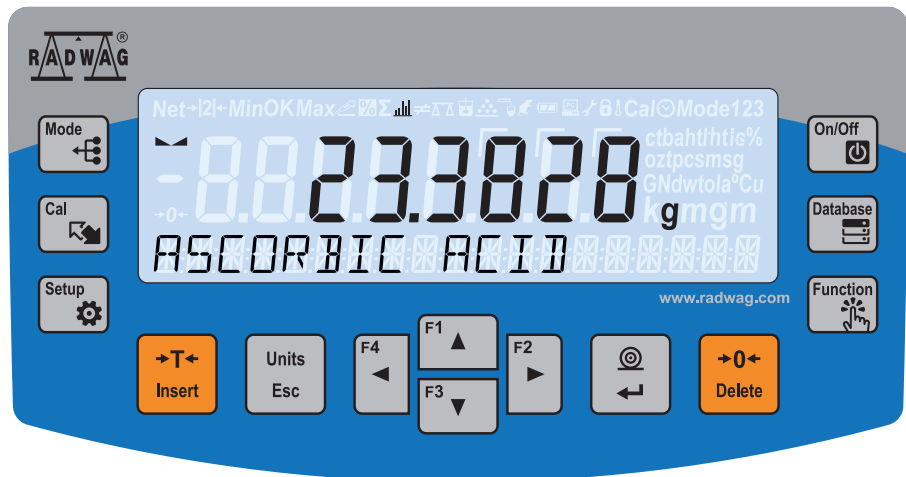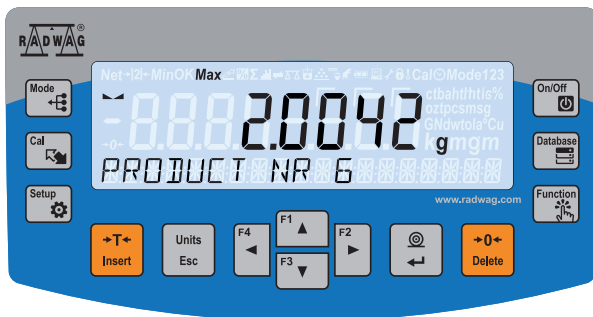- tares (up to 10 tares),
- ALIBI memory (up to 100 000 measurements)

Increased readability
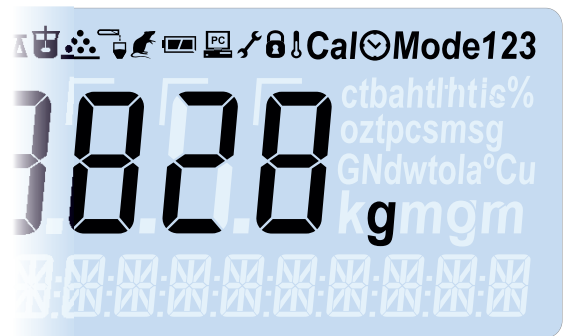
Large easy to read LCD

New LCD display with enlarged characters allows for a clearer display of measurement results.

Multilanguage menu

The new R-series balances allow for the implementation of any language based on the Latin alphabet.

Pictograms and units

The application of pictograms increases the clarity of the display and facilitates more intuitive navigation through the balance settings. The new R-series balances use pictograms for displaying working mode, connection with the PC, battery level, as well as weighing and service functions.
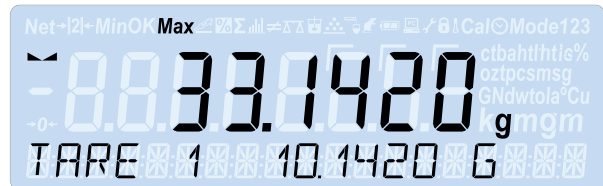

Additional information line

New information line allows for additional messages and information, for instance: product name or tare value.
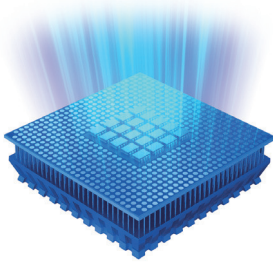
Security of databases

Privacy

Access to the security sensitive data is only possible when logged-in. The access level is set up from the administrator level.
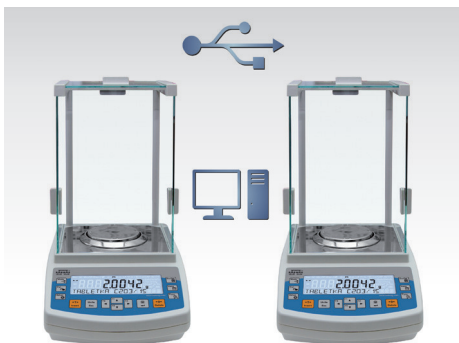
ALIBI memory

ALIBI memory is non-deletable storage, protecting weighing data . It has the capacity of up to 100 000 weighing records. This ensures both security and flexibility of storing data over longer periods of time.

Archiving and data exchange

In order to save the data, the reports from the processes and partial measurements can be transferred to external devices via USB interface. Additionally, it offers more control over working process, as well as restoring the data and coping settings between balances.

Reports and printouts

Configurable printouts

In the new R-series balances the weighment reports are divided into 3 configurable sections, each of which can be fully customised content-wise.

```
-------------------------------------------
Mod pracy              Ważenie
Data                  18.07.2013
Czas                    11:36:36
Typ wagi              AS 220 R2
ID wagi                     1035
Towar                  TABLETKA

Tara                    0.5000 g
Brutto                  1.3020 g
Netto                   0.8020 g


Użytkownik          Jan Kowalski

-------------- Cal. Report -------------
Rodzaj kal.          Wewnętrzna
Użytkownik          Jan Kowalski
Projekt             124/SGW/2013
Data                  18.07.2013
Czas                    12:56:09
ID wagi                     1035
Różnic. kal.            0.0000 g
-------------------------------------------
Podpis

....................................................
```
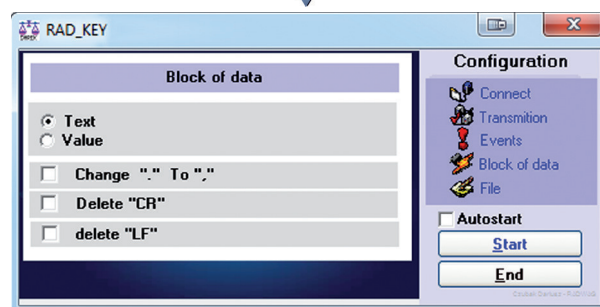
PCL

The new R-series balances work with the printers that support PCL protocol. The printers are connected with the balances via USB port.

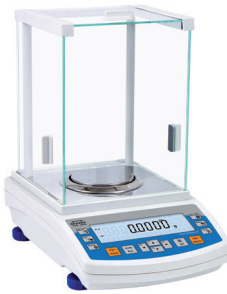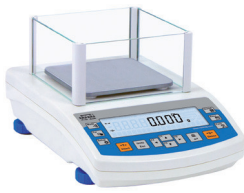

Cooperation with PWIN / RADKEY

The new R-series balances allow for printouts to be sent directly to PW-WIN and RADKEY software, which facilitates their further analysis. The measurement transfer can be carried out by using Wi-Fi and USB interface depending on the needs.

Technical information

Technical data

R-series balances	AS.R	PS.R	APP.R
Maximum load capacity / accuracy	110 g / 0,1 mg ÷ 310 g / 0,1 mg	110 g / 1 mg ÷ 8000 g / 10 mg	10 kg / 0,01 g ÷ 50 kg / 0,1 g
Weighing pan size	ø85 mm	128 x 128 mm 195 x 195 mm	348 x 260 mm
Working temperature	+10 °C ÷ +40 °C		

Optional equipment

- Barcode reader
- PCL printers
- USB keyboard
- Computer software PW-WIN and RAD-KEY
- Rack for under hook weighing
- Anti-vibration table
- Anti-draft shield
- LCD WD-6 display
- Density determination kit (for solids and liquids)

The availability of optional equipment depends on particular balance models wag AS.R, PS.R and APP.R.

Services

In order to support the new R-series balances, RADWAG includes in the offer:

- balance adjustment
- validation IQ/QQ
- periodic verification audits

Highlights:

WiFi and USB interface

Increased readability

Precision in every condition

Security of databases

Functionality and ergonomics

Reports and printouts

Functions:

Parts counting

Density determination

Percent setup

Checkweighing

Dosing

Animal weighing

Statistics

Totalizing

Peak hold

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