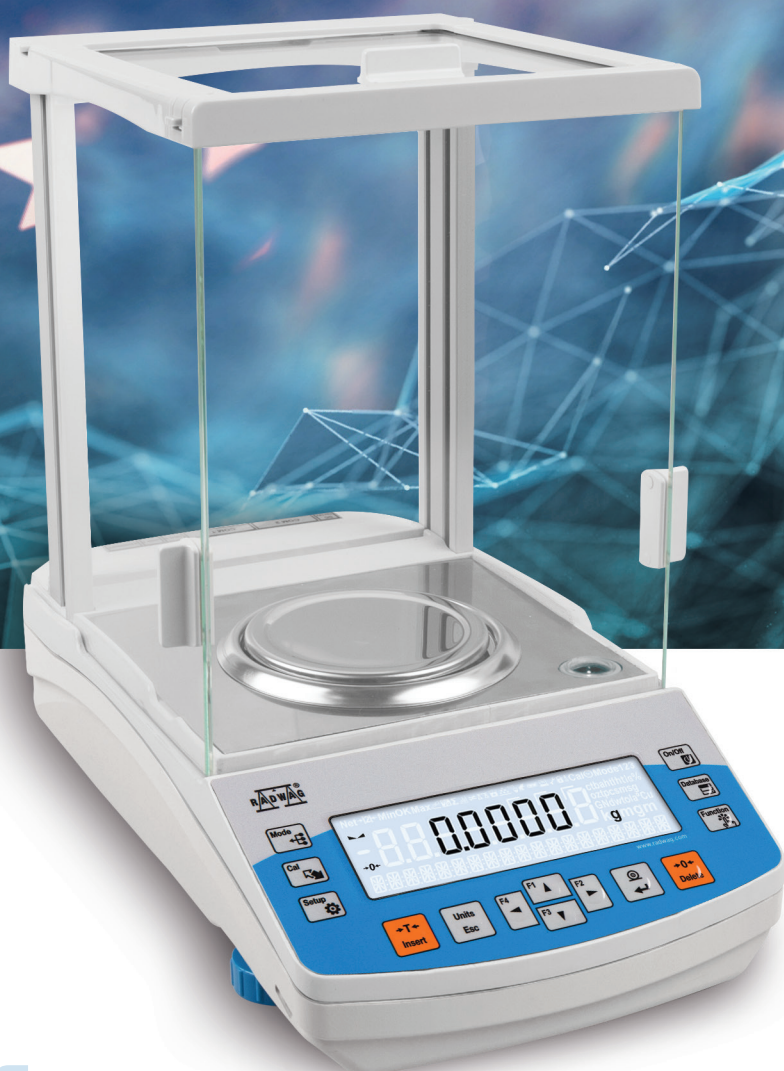


Versatility of use

Resistance to variable ambient conditions

Ergonomic solutions increasing operation comfort



SYNERGY
LAB

AS R2 PLUS **Analytical Balance**

MODERN SOLUTIONS FOR STANDARD-CLASS LABORATORY BALANCES

The innovative **AS R2 PLUS** analytical balances guarantee precision and readability along with resistance to variable ambient conditions. New ergonomic solution ensures convenient operation.



Increased Durability and Reliability
of long-term operation due to innovative construction solutions.



Ensured Accuracy of Indications
in extremely challenging conditions due to modernization of internal adjustment system.



Balance Levelling System
Clearly visible levelling device located in the front of the weighing chamber.

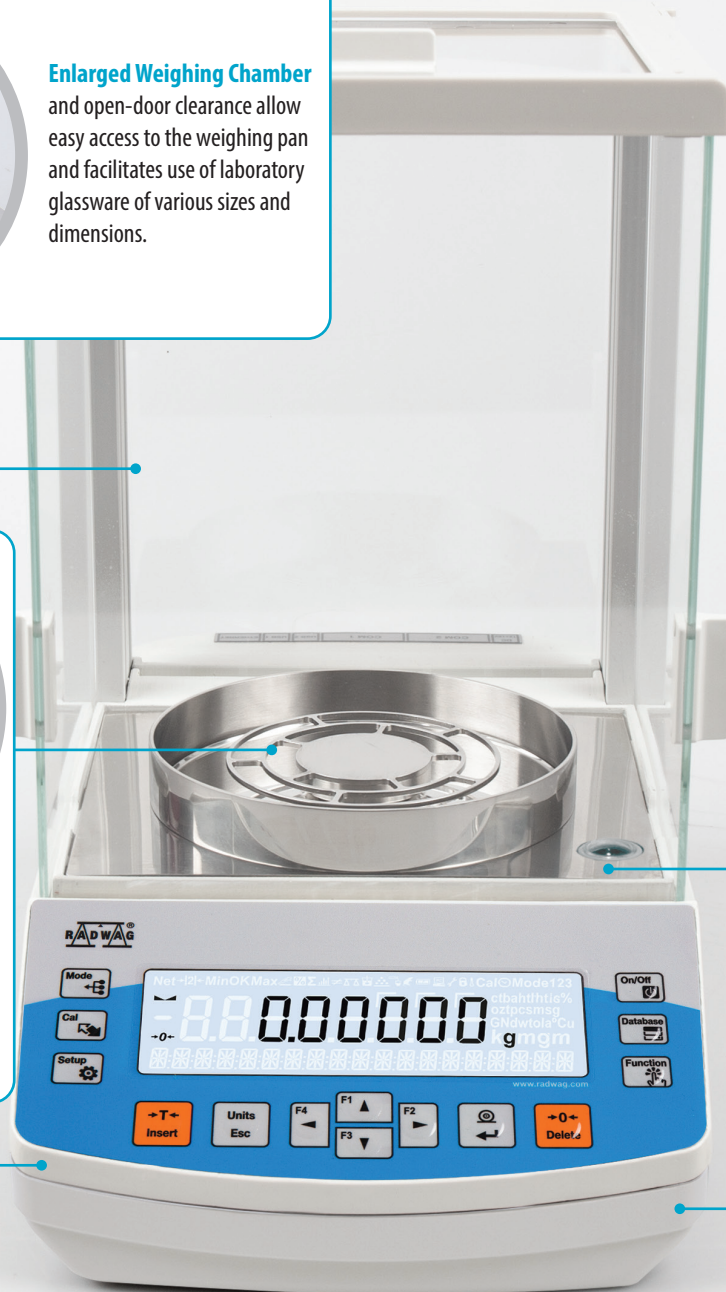


Enlarged Weighing Chamber
and open-door clearance allow easy access to the weighing pan and facilitates use of laboratory glassware of various sizes and dimensions.



Open-Work Weighing Pan

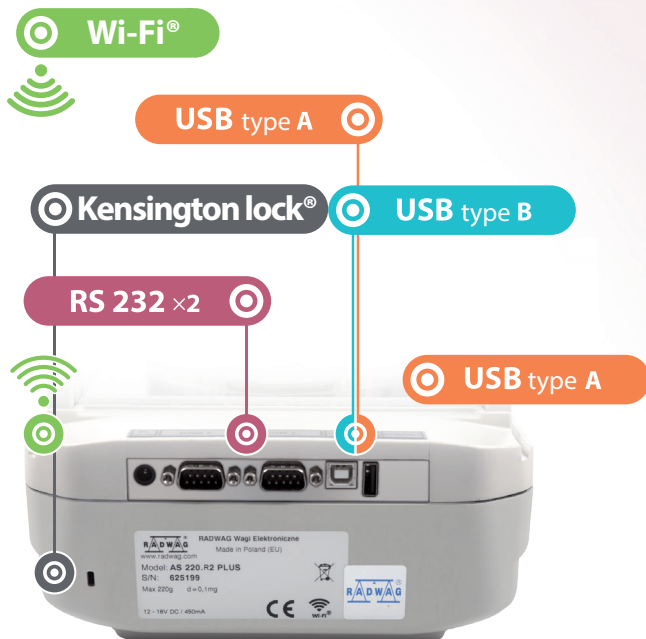
In order to guarantee readability of $d=0.01$ mg it is recommended to use the open-work weighing pan ensuring obtaining standard value of USP minimum weight.



Ease of Communication
with peripherals due to placing of the USB interface at the chamber front.



Improved Aluminium Base
ensuring stability of the weighing system



Antistatic Weighing Chamber

- compensation of electrostatic charges thanks to specially-designed antistatic glass coating
- elimination of the influence of electrostatics onto the weighing result

Antistatic coating applied in balances with readability $d=0.01$ will be available in IV quarter of 2020.

Communication Interfaces

The functionalities of AS R2 PLUS balances can be expanded using the following communication interfaces: USB-A, USB-B, RS 232, Wi-Fi®. The USB port located on the front of the balance enables easy and fast communication with the USB flash drive and connecting additional devices.



Parts counting



Percent weighing



Density determination



GLP procedures



Ambient conditions measurement



Dosing



Statistics



Under-pan weighing



Peak hold



Replaceable unit



Checkweighing



Animal weighing



Autotest



Multilingual menu

Data Protection

Access to valuable information is possible after logging. The administrator manages the data access configuration.

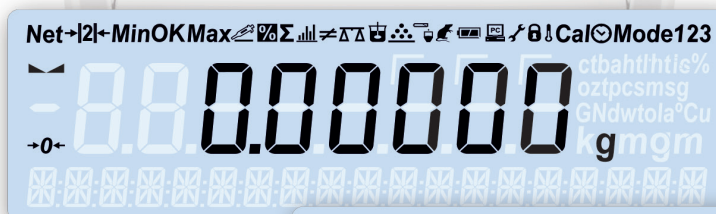
ALIBI Memory

Data safety is ensured by the ALIBI memory integrated into AS R2 PLUS balances, which enables record of up to 100 000 weighings. ALIBI guarantees continuity of data collection over a long period of time.



Wi-Fi®

Remote balance control via devices with Android, iOS or Windows10 operating systems



Pictograms and Units

- Intuitive pictograms signal working mode, selected function, connection with computer, etc.
- Extended number of displayed units supports the weighing process.



Bar Graph

Graphic visualization of mass measurement changes in real time



Dedicated Status Bar

Display of additional messages, e.g. product name, tare value.

Quick Information Access

Direct access to functions and databases via key set located on the balance panel. The function keys F1 to F4 can be assigned to suit the needs of the user.



AS R2 PLUS

Technical Specification

	AS 60/220.R2	AS 62.R2	AS 82/220.R2	AS 120.R2	AS 110.R2	AS 160.R2	AS 220.R2	AS 310.R2	AS 520.R2
Maximum capacity [Max]	60 g / 220 g	62 g	82 g / 220 g	120 g	110 g	160 g	220 g	310 g	520 g
Readability [d]	0.01 mg / 0.1 mg	0.01 mg	0.01 mg / 0.1 mg	0.01 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Max repeatability (5% Max)*	0.015 mg	0.012 mg	0.015 mg	0.015 mg	0.06 mg	0.07 mg	0.07 mg	0.08 mg	0.08 mg
Max repeatability	0.08 mg	0.02 mg	0.08 mg	0.04 mg	0.08 mg	0.08 mg	0.08 mg	0.12 mg	0.25 mg
Minimum weight USP	30 mg	24 mg	30 mg	30 mg	120 mg	140 mg	140 mg	160 mg	160 mg
Minimum weight	3.0 mg	2.4 mg	3.0 mg	3.0 mg	12 mg	14 mg	14 mg	16 mg	16 mg
Max repeatability (5% Max)*	0.02 mg	0.018 mg	0.02 mg	0.02 mg	0.09 mg	0.09 mg	0.09 mg	0.12 mg	0.12 mg
Max repeatability	0.1 mg	0.03 mg	0.1 mg	0.05 mg	0.1 mg	0.1 mg	0.1 mg	0.15 mg	0.4 mg
Linearity	±0.05 mg / ±0.2 mg	±0.05 mg	±0.05 mg / ±0.2 mg	±0.07 mg	±0.2 mg	±0.2 mg	±0.2 mg	±0.3 mg	±0.4 mg
Stabilization time	2 s	2 s	2 s	2 s	2 s	2 s	2 s	2.5 s	2.5 s
Adjustment	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Weighing pan dimensions	ø 90 mm**	ø 90 mm**	ø 90 mm**	ø 90 mm**	ø 100 mm	ø 100 mm	ø 100 mm	ø 100 mm	ø 100 mm
Display	LCD (backlit)								
Communication interfaces	USB-A, USB-B, 2×RS 232, Wi-Fi® (option)								

*Repeatability is expressed as a standard deviation from 10 weighing cycles. | **ø 85 mm standard weighing pan on purchase order | Wi-Fi® is a registered trademark owned by Wi-Fi Alliance organization.