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# AS R2 PLUS Analytical 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.

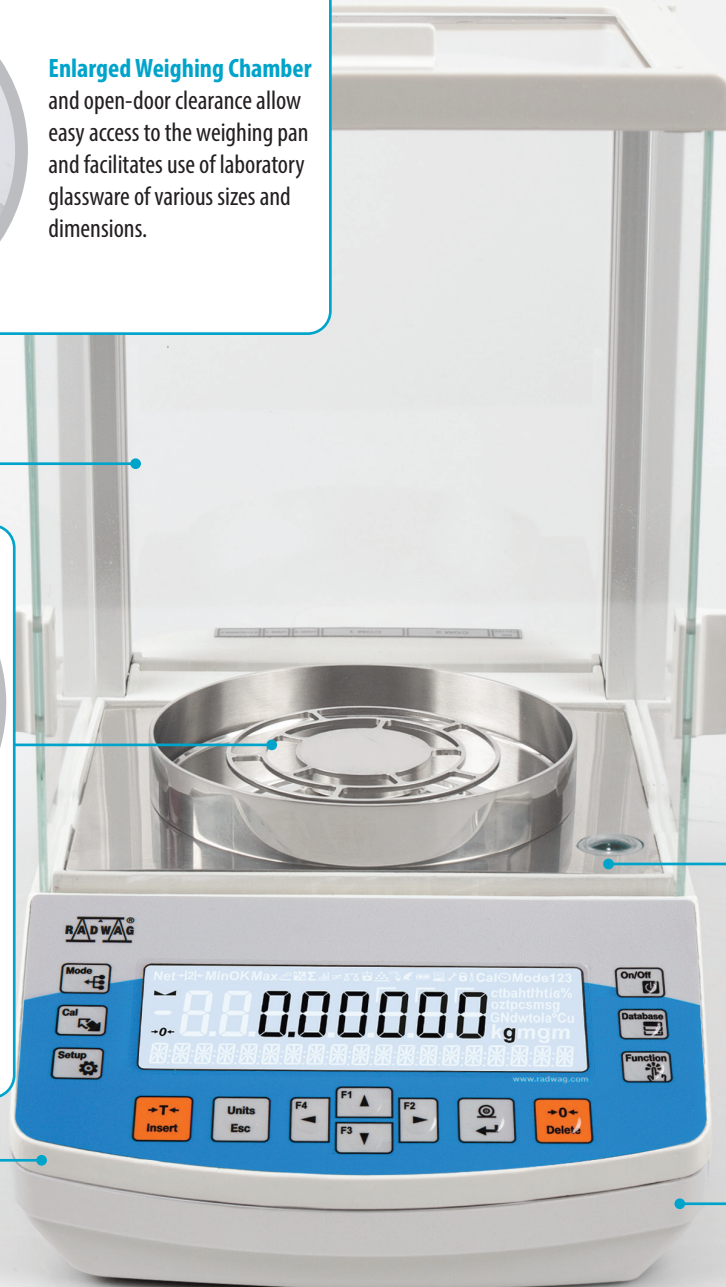


**Enlarged Weighing Chamber** and open-door clearance allow easy access to the weighing pan and facilitates use of laboratory glassware of various sizes and dimensions.



**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

Wi-Fi®



USB type A



Kensington lock®

USB type B

RS 232 x2



USB type A



### 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.

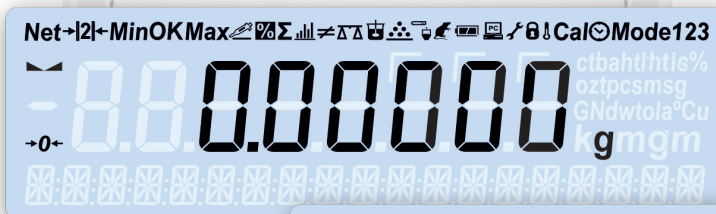
### ALIBI Memory

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
<b>Maximum capacity [Max]</b>	60 g / 220 g	62 g	82 g / 220 g	120 g	110 g	160 g	220 g	310 g	520 g
<b>Readability [d]</b>	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
<b>Max repeatability (5% Max)*</b>	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
<b>Max repeatability</b>	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
<b>Minimum weight USP</b>	20 mg	24 mg	30 mg	30 mg	120 mg	140 mg	140 mg	160 mg	160 mg
<b>Minimum weight</b>	3 mg	2.4 mg	3 mg	3 mg	12 mg	14 mg	14 mg	16 mg	16 mg
<b>Max repeatability (5% Max)*</b>	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
<b>Max repeatability</b>	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
<b>Linearity</b>	±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
<b>Stabilization time</b>	2 s	2 s	2 s	2 s	2 s	2 s	2 s	2.5 s	2.5 s
<b>Adjustment</b>	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
<b>Weighing pan dimensions</b>	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
<b>Display</b>	LCD (backlit)								
<b>Communication interfaces</b>	USB-A, USB-B, 2×RS 232, Wi-Fi® (option)								

Typical values

\*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.