

Compliance with GLP and GMP requirements
Resistance to variable ambient conditions
Ergonomic solutions increasing operation comfort
Perfect for laboratory applications



SYNERGY
LAB

AS X2 PLUS **Analytical Balance**

ABSOLUTE PRECISION AND ACCURACY
OF ADVANCED-CLASS INSTRUMENTS

The innovative **AS X2 PLUS** analytical balances guarantee the highest 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.

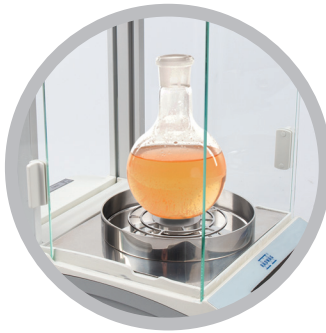


Ensured Accuracy of Indications in extremely challenging conditions due to modernization of internal adjustment system.



LevelSENSING SYSTEM

The sensors measure tilt and display graphic message on the weighing device screen. Levelling system facilitates adjustment, controls the level state, and informs about level deviations, all this in accordance with GLP and GMP standards.



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



Open-Work Weighing Pan

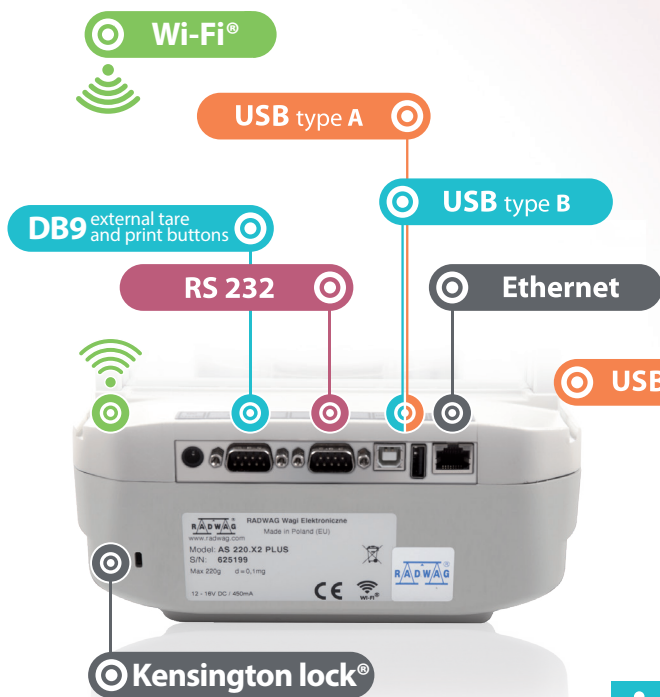
In order to guarantee readability of $d=0.01$ mg it is recommended to use the open-work weighing pan ensuring obtaining standard value of USP minimum weight.



Ease of Communication with peripherals due to placing of the USB interface at the balance 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 X2 PLUS balances can be expanded using the following communication interfaces: USB-A, USB-B, RS 232, DB9, Ethernet, 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



Proximity sensors



Replaceable unit



Checkweighing



Animal weighing



Peak hold



Cooperation with titrators



Multilingual menu



Formulations



Autotest

by RADWAG – support and supervision over an ongoing mass measurement in the laboratory

Automatic Adjustment

Automatic internal adjustment system guarantees 100% efficiency in eliminating balance sensitivity deviations regardless of external ambient conditions.

Sensors

Touch-free operation and programmable sensors facilitate daily work and reduce the quantity of actions performed during the weighing procedure.

ALIBI Memory

Data safety is ensured by the ALIBI memory integrated into AS X2 PLUS balances, which enables record of up to 500 000 weighings. ALIBI guarantees continuity of data collection over a long period of time.

SMARTLAB

Data Control

Accessing information in the balance depends on the user's permission level. The administrator can manage three different permission levels.

Automatic Weighing Records

Reports on processes and partial weighings can be generated and sent for archiving via the USB to external devices.

Ambient Conditions Monitoring

Cooperation with THB RADWAG production, which enables monitoring of ambient conditions such as temperature and humidity.

Wi-Fi®

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



	Weighing
	Parts counting
	Checkweighing
	Dosing
	Percent weighing
	Density determination
	Formulation
	Statistics

Proximity Sensors

Two programmable sensors to be freely customized.

Operation Comfort

5" colour touch screen ensures comfort of balance operation even in laboratory gloves.

Display Customization

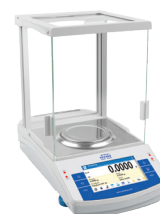
Full configuration of key set and the possibility to link a particular key to a specific working mode.

Information Transparency

- Information layout in a form of pictograms ensures easy and intuitive operation,
- Flexible configuration of icons, labels and text fields.

AS X2 PLUS

Technical Specification



	AS 60/220.X2	AS 62.X2	AS 82/220.X2	AS 120.X2	AS 110.X2	AS 160.X2	AS 220.X2	AS 310.X2	AS 520.X2
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	5" colour touchscreen								
Communication interfaces	USB-A, USB-B, RS 232, Ethernet, DB9 external tare print buttons, Wi-Fi®								

*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.