

The best minimum weight value
Ergonomic solutions improving comfort of operation
Perfect for demanding laboratory processes



XA 4Y PLUS **Analytical Balances**

EXCELLENT METROLOGICAL RESULTS IN PROFESSIONAL-CLASS DEVICES

The new **XA 4Y PLUS analytical balance** is designed to facilitate the most demanding weighing processes, it offers the best minimum weight value on the market.

A characteristic feature of the XA 4Y PLUS balance is greater resistance to variable ambient conditions. With the ergonomic mechanical design, this instrument guarantees the maximum comfort of operation.



New, Enlarged Weighing Chamber

- Spacious weighing chamber makes it convenient to weigh samples in laboratory vessels of various sizes.
- Large open-door clearance means easy access to the weighing pan.



Advanced Technological Solutions

- Accurate indications are ensured even in extremely challenging conditions due to brand new production technology.



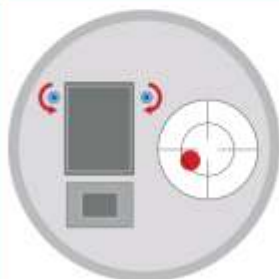
Open-Work Weighing Pan

- Use of the open-work weighing pan in balances with the readability of $d=0.01$ mg is a guarantee for the highest measurement precision, it also ensures standard value of the minimum weight USP.



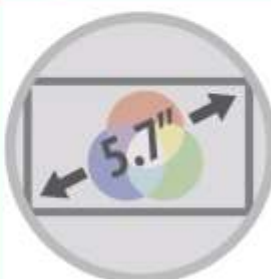
Touch-Free Operation

- With two programmable sensors it is possible to operate the balance touch-free, this makes the everyday work easier by reducing the number of actions to-be-taken by a user.



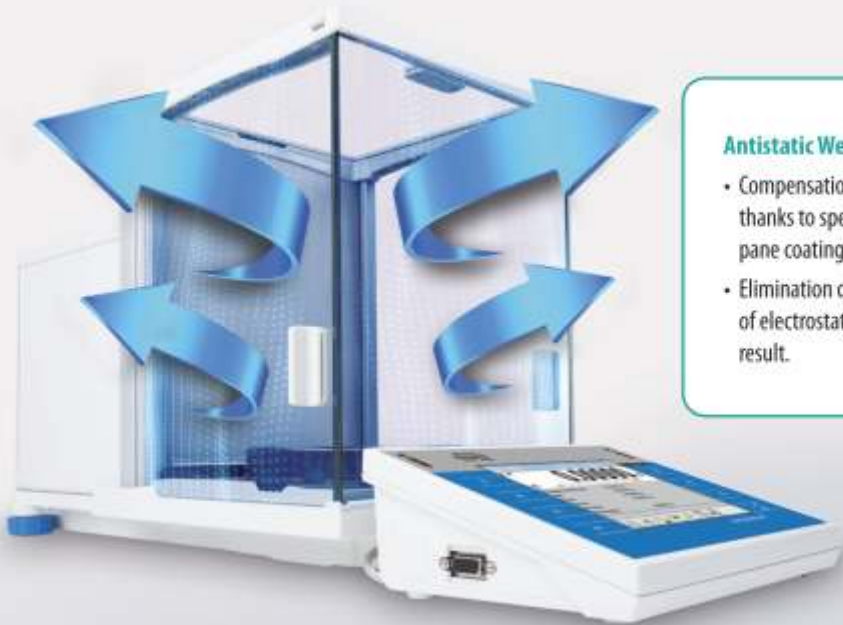
LevelSENSING System

- The system measures ground tilt and performs constant monitoring of the balance level.
- Graphic on-screen prompts make adjustment of balance level easier, they display information about deviations in accordance with GLP and GMP standards.



Advanced Weighing Terminal

- 5.7" colour graphic touch screen.
- Uncomplicated and intuitive operation.
- Screen customization option.
- Numerous weighing functions and applications.
- Graphic messages.



Antistatic Weighing Chamber

- Compensation of electrostatic charges thanks to specially-designed antistatic pane coating.
- Elimination of the influence of electrostatics onto the weighing result.



Minimum Weight – the Best Value on the Laboratory Market

The XA 4Y PLUS balance is a second-to-none device on the weighing market. It is due to unique mechanical design solutions which guarantee the best values of minimum weight.



2-Point Adjustment

- Adjustment performed in two measuring points ensures the highest measurement accuracy within the whole weighing range and reduced-to-minimum linearity errors.
- The solution guarantees perfect repeatability and precision at variable ambient conditions.



RadConnect

- Remote control of the balance.
- Balance screen preview via a smartphone or a tablet.
- Online transfer of balance-stored data.
- iOS and Android applications.
- Vast range of functions and applications.



Wireless Communication

- Wireless communication between the terminal and the weighing instrument enables operation of a balance that is placed inside laminar flow hoods and fume cupboards.



21 CFR Part 11 Compliance Module

All balances of the XA 4Y PLUS series are compliant with 21 CFR part 11 regulations and with provisions of EU GMP part 4, annex 11. They feature an electronic signature and are equipped with a number of security and monitoring functions that control work of particular operators.

Full Data Protection

- advanced password settings
- verification of log in operation
- assigning operators with individual permissions
- auto logout
- electronic signature, e.g. for series of measurements
- granting/denying access to data management
- backup
- modifications saved to Audit Trail file



Easily Disassembled Panes

- Latch-type disassembly system enables uncomplicated and fast removal of panes, all this tool-free. Thanks to such a solution, keeping the device clean is easy.



High Hygiene Standards

- Pane guides of custom rimless profile prevent accumulation of impurities during regular everyday operation.

Communication Interfaces

- Numerous communication interfaces (USB, Ethernet, Wi-Fi*, RS 232, IN/OUT) expand the XA 4Y PLUS balance functionality and enable communication with various devices and systems.



XA 4Y PLUS Technical Specifications



	52 g - 250 g	220 g - 520 g
Maximum capacity [Max]	52 g - 250 g	220 g - 520 g
Readability [d]	0.01 mg	0.1 mg
Repeatability	0.006 mg	0.05 mg – 0.07 mg
Linearity	±0.06 mg – ±0.02 mg	±0.2 mg – ±0.5 mg
Minimum weight (USP)	12 mg	100 mg – 140 mg
Minimum weight	1.2 mg	10 mg – 14 mg
Stabilization time	~ 4 s	~ 2.5 s
Adjustment	internal (automatic)	internal (automatic)
Weighing pan dimensions	ø 90 mm (open-work)	ø 100 mm
Communication interfaces	2 × USB-A, 2 × RS 232, Ethernet, 4 × IN / 4 × OUT (digital), Wi-Fi*	

Repeatability is expressed as a standard deviation from 10 weighing cycles (for 5% of Max) | Wi-Fi* is a registered trademark of Wi-Fi Alliance