

Vibrations level monitoring
Defined profiles
Combined weighing pan shield



www.radwag.com

XA 4Y.M Microbalances

INNOVATIVE SOLUTIONS

XA 4Y.M

Spacious weighing chamber Integrated Antistatic Ionizer



The highest measurements accuracy

XA 4Y.M microbalance features the highest measurements accuracy, excellent repeatability and is compliant with USP requirements (Chapter 41 and 1251).

Integrated Antistatic Ionizer

The antistatic ionizer, an in-built component of XA 4Y.A.I analytical balance, neutralizes electric charges inside the weighing chamber upon placing the sample in it.

Combined weighing pan shield

The new weighing pan shield design reduces disturbances caused by air drafts, and provides easy access to the weighing pan making dispensing of the samples comfortable.

Vibrations sensor

Continuous monitoring of vibrations informs the operator about vibrations level during operation. The solution improves reliability of carried out measurements, this is due to elimination of an accidental error caused by ground vibrations.

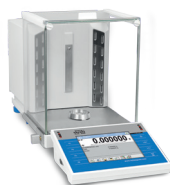
New door opening automatics (only for XA 4Y.M.A)

The innovative weighing chamber system for door opening and closing guarantees smooth and quiet door movement, and eliminates vibrations that may disturb the measurement. The solution also enables to define door opening angle.

Defined profiles

Four predefined profiles enable automatic balance parameters customization.

- FAST: the measurement is carried out within a very short period of time, result stabilization takes up to 2 s,
- FAST DOSING: very fast reaction to mass change,
- PRECISION: balance settings providing the minimum standard deviation $sd \leq 0.7$,
- USER: profile customized by the operator.



XA 4Y.M.A.I



XA 4Y.M.A



XA 4Y.M

Maximum capacity [Max]	6.1 - 51 g	6.1 - 51 g	6.1 - 51 g
Readability [d]	1 µg - 5 µg	1 µg - 5 µg	1 µg - 5 µg
Repeatability*	1.5 µg - 2 µg	1.5 µg - 2 µg	1.5 µg - 2 µg
Linearity	±7 µg - 20 µg	±7 µg - 20 µg	±7 µg - 20 µg
Minimum sample weight	0.3 - 0.8 mg	0.3 - 0.8 mg	0.3 - 0.8 mg
Minimum sample weight USP	3 - 8 mg	3 - 8 mg	3 - 8 mg
Stabilization time	~3.5 s	~3.5 s	~3.5 s
Adjustment	Internal (automatic)	Internal (automatic)	Internal (automatic)
Communication interfaces	2×USB, 2×RS232, Ethernet, Wireless Connection, 4×IN, 4×OUT	2×USB, 2×RS232, Ethernet, Wireless Connection, 4×IN, 4×OUT	2×USB, 2×RS232, Ethernet, Wireless Connection, 4×IN, 4×OUT
Weighing pan dimensions	ø 30 mm, ø 50 mm	ø 30 mm, ø 50 mm	ø 30 mm, ø 50 mm
Weighing chamber dimensions	170 × 200 × 220 mm	170 × 200 × 220 mm	170 × 200 × 220 mm
Automatic door	YES	YES	-
Integrated Antistatic Ionizer	YES	-	-

* Repeatability is expressed as a standard deviation from 10 weighing cycles.