

Vibrations level monitoring
Defined profiles
Combined weighing pan shield



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XA 4Y.M Microbalances

INNOVATIVE SOLUTIONS

XA 4Y.M

Spacious weighing chamber Innovative solutions



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).

Intuitive operation and large touch screen

5.7" colour touch screen enables intuitive operation and easy access to numerous applications and functions of the weighing instrument.

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
Advanced



XA 4Y.M
Standard

Maximum capacity [Max]	5.1 - 51 g	5.1 - 51 g
Readability [d]	0.001 - 0.005 mg	0.001 - 0.005 mg
Repeatability*	0.0015 - 0.002 mg	0.0015 - 0.002 mg
Linearity	$\pm 0.007 - 0.02$ mg	$\pm 0.007 - 0.02$ mg
Minimum sample weight	0.3 - 0.8 mg	0.3 - 0.8 mg
Minimum sample weight USP	3 - 8 mg	3 - 8 mg
Stabilization time	~3.5 s	~3.5 s
Adjustment	Internal	Internal
Communication interfaces	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
Weighing chamber dimensions	170 × 200 × 220 mm	170 × 200 × 220 mm
Automatic door	–	YES (stepper motor)

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