

Perfect repeatability:  $sd \leq 1d$   
Maximum Speed and Weighing Accuracy  
2-point adjustment system



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**4Y** Brand new series  
of laboratory balances

PROFESSIONAL LEVEL

# 4Y

## Professional level of weighing The highest measurement accuracy



### Innovative 2-point adjustment system

Brand new adjustment system guarantees the highest measurement accuracy. It minimizes linearity errors simultaneously providing reliable indications for the whole weighing range.

### 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.

### Faster measurement with the new CPU

4Y balances feature Dual Core 2 x 1 GB processor which delivers noticeable performance improvements including faster operation and shorter stabilization time retaining high repeatability values.

### Modern System of Automatic Door Opening and Closing

The automatic system for weighing chamber's door opening and closing guarantees smooth and quiet door movement. The solution enables to define how wide the door is to be opened.

### 8 GB RAM – more data management possibilities

8 GB RAM offers possibility of recording data in a form of complex reports. Time and statistic data diagrams on series of weighments are another useful option.

### The best possible repeatability and USP regulations conformity

The best weighing accuracy and repeatability – with  $sd \leq 1d$  combined with USP regulations conformity (Section 41 and 1251) make 4Y balances a new standard for mass measurement quality.

### Ergonomics and safety

Wireless communication between balance terminal and a weighing unit make it possible to comfortably operate 4Y series balances in laminar air flow cabinets and fume cupboards.

### Remote control operation

Wireless module offers wireless transfer of data recorded by 4Y balance to any portable device powered by iOS or Android systems using special applications intended for data management.

### Data safety

Every single 4Y balance features ALIBI memory designed to provide protection and automatic recording of your measurements. Options such as data preview, copying and archiving are also available to users.



**UYA 4Y**  
**MYA 4Y**

**UYA 4Y.F**  
**MYA 4Y.F**

**MYA 4Y.P**

**XA 4Y.M.A.I**  
**XA 4Y.M**

**XA 4Y.M.A.I.P**

**XA 4Y.A.I**  
**XA 4Y**

**XA 4Y.F**

	UYA 4Y MYA 4Y	UYA 4Y.F MYA 4Y.F	MYA 4Y.P	XA 4Y.M.A.I XA 4Y.M	XA 4Y.M.A.I.P	XA 4Y.A.I XA 4Y	XA 4Y.F
Maximum capacity [Max]	0.8 g - 52 g	2.1 g - 5.1 g	21 g	6 g - 51 g	6 g - 51 g	52 g - 310 g	52 g - 110 g
Readability [d]	0.1 µg - 10 µg	0.1 µg - 1 µg	1 µg	1 µg - 5 µg	1 µg - 5 µg	0.01 mg - 0.1 mg	0.01 mg
Minimum weight	0.05 mg - 0,4 mg	0.05 mg - 0.2 mg	0.24 mg	0.3 mg - 0.8 mg	0.3 mg - 0.8 mg	1.2 mg - 14 mg	2 mg - 3 mg
Minimum weight (USP)	0.5 mg - 4 mg	0.5 mg - 2 mg	2.4 mg	3 mg - 8 mg	3 mg - 8 mg	12 mg - 140 mg	20 mg - 30 mg
Stabilization time	8 - 20 s	8 - 20 s	10 s	~ 3.5 s	~ 3.5 s	2.5 - 4 s	30 s
Weighing filters	–	•	–	–	–	–	•
Pipettes calibration	–	–	•	option*	•	option*	•
Antistatic Ionizer	–	–	–	• (only for XA 4Y.M.A.I)	•	• (only for XA 4Y.A.I)	–
Automatic sliding door	•	–	•	• (only for XA 4Y.M.A.I)	•	• (only for XA 4Y.A.I)	–
Weighing pan dimensions	ø 16 mm, ø 26 mm, ø 40 mm	ø 26 mm, ø 50 mm, ø 100 mm, ø 160 mm	ø 26 mm	ø 30 mm, ø 50 mm	ø 26 mm	ø 90 mm, ø 100 mm	210 × 254 mm
Display	5.7" colour touchscreen						
Adjustment	internal (automatic)						
Communication interface	2×USB-A, 2×RS 232, Ethernet, 4×IN, 4×OUT, Wireless Connection						

\* pipettes calibration available for selected models equipped with pipettes calibration adapter