

ANALYTICAL BALANCES XA/X



XA/X series- professional level analytical balances

XA/X balances are equipped with big backlit graphic display with extended menu, 12-keys membrane keyboard, big weighing chamber with sliding upper glass door and side glass door.

Balance accuracy is guaranteed by automatic internal calibration dependant on time and temperature changes.

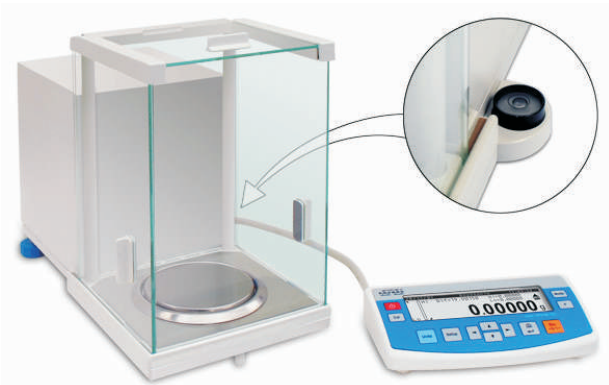
Balances have possibility of disconnecting the head from weighing chamber.

This solution considerably reduces vibrations transferred to weighing chamber and decreases dimensions of device.

XA/X balances enable to generate GLP procedures, these balances have RS 232 socket, PS/2, possibility of connecting additional display and possibility of weighing loads outside the main weighing platform (so called under-hook weighing).

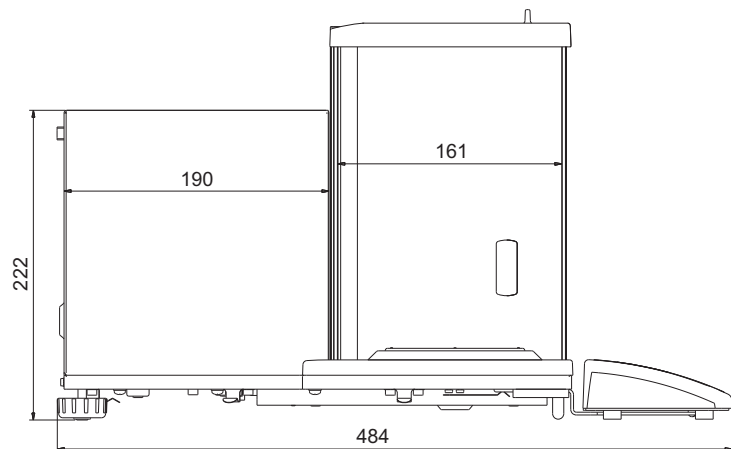
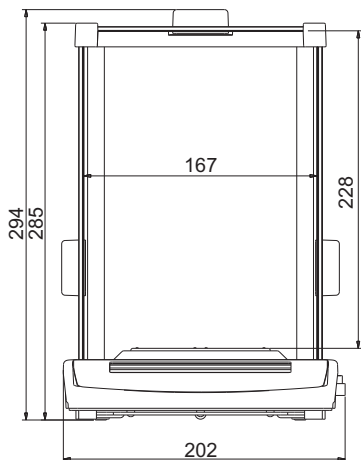
- ✓ **New electronics and technological solutions!**
- ✓ **New intuitive operation and user friendly software of balances!**

- Counting pieces
- Filling
- Animal weighing
- Density determination
- Checkweighing
- Percentage
- Statistics
- Formulation
- Air buoyancy correction
- Pipette calibration **
- GLP procedures
- Under-hook weighing



- ✓ **Detachable weighing indicator- improves ergonomics of operation!**
- ✓ **Level indicator located in a convenient, easily accessible place for a user!**

** function only available as an extra option of the software



Technical data:

	XA 52/X	XA 110/X	XA 210/X	XA 60/220/X
Max load	52 g	100 g	210 g	60/220 g
Min load	1 mg	1 mg	1 mg	1 mg
Readability	0,01 mg	0,01 mg	0,01 mg	0,01/0,1 mg
Tare range	-52 g	-100 g	-210 g	-220 g
Working temperature	+10° - +50°C			
Repeatability *	0,025 mg (to 20g) 0,03 mg (20g÷50g)	0,025 mg (to 20g) 0,03 mg (20g÷60g) 0,045 mg (60g÷110g)	0,025 mg (to 20g) 0,03 mg (20g÷60g) 0,045 mg (60g÷110g) 0,07 mg (110g÷210g)	0,025 mg (to 60g) 0,08 mg (60g÷220g)
Linearity	±0,06 mg	±0,07 mg	±0,1 mg	±0,06/0,2 mg
Eccentric load deviation	0,06 mg	0,07 mg	0,1 mg	0,2 mg
Sensitivity offset	$2 \times 10^{-6} \times R_t$			
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$			
Sensitivity stability	$1 \times 10^{-6} / a \times R_t$			
Minimum weight (USP)	75 mg			
Minimum weight (U = 1%, k = 2)	5 mg			
Stabilization time	5 s	5 s	5 s	5/3 s
Interface	RS 232			
Power supply	230 V AC / 50 ÷ 60 Hz / 11V AC / 1100mA			
Calibration	internal (automatic)			
Pan size	ø 85 mm			
Net weight/Gross weight	9,4/12,5 kg	9,4/12,5 kg	9,5/12,6 kg	9,5/12,6 kg
Packaging size	685×405×495 mm			

Rt - net weight

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

Technical data:

	XA 100/X	XA 160/X	XA 220/X	XA 310/X
Max load	100 g	160 g	220 g	10 g
Min load	10 mg	10 mg	10 mg	10 mg
Readability	0,1 mg	0,1 mg	0,1 mg	0,1 mg
Tare range	-100 g	-160 g	-220 g	-310 g
Working temperature	+10° - +50°C			
Repeatability *	0,08 mg	0,08 mg	0,08 mg	0,08 mg (to 220g) 0,2 mg (220g÷310g)
Linearity	±0,2 mg	±0,2 mg	±0,2 mg	±0,3 mg
Eccentric load deviation	0,2 mg	0,2 mg	0,2 mg	0,3 mg
Sensitivity offset	$2 \times 10^{-6} \times R_t$			
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$			
Sensitivity stability	$1 \times 10^{-6} / a \times R_t$			
Minimum weight (USP)	240 mg			
Minimum weight (U = 1%, k = 2)	16 mg			
Stabilization time	3 s			
Interface	RS 232			
Power supply	230 V AC / 50 ÷ 60 Hz / 11V AC / 1100mA			
Calibration	internal (automatic)			
Pan size	ø 100 mm			
Net weight/Gross weight	9,4/12,5 kg	9,4/12,5 kg	9,5/12,6 kg	9,5/12,6 kg
Packaging size	685×405×495 mm			

Rt - net weight

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

Additional equipment:

Anti-vibration table	Power adapter with battery and charger
Kafka thermal printer	PW-WIN 2004 computer software
Epson needle printer	RAD-KEY 2000 computer software
Density determination kit	Pipettes computer software
LCD display	RS 232 cable: scale - thermal printer: P0136
PC keyboard	RS 232 cable: scale - "Epson/Citizen" printer: P0151
Standard mass	RS 232 cable: scale - computer: P0108
Foot tare and print buttons	Professional weighing table
Additional attachment for pipettes calibration	Antistatic ionizer
Set for the determination of air	Ambient conditions module
Antistatic cable	Holders for laboratory vessels