















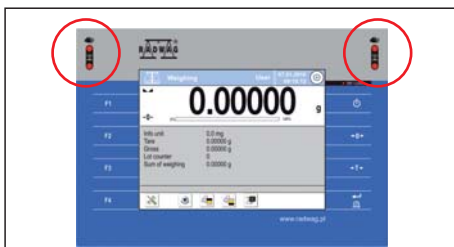
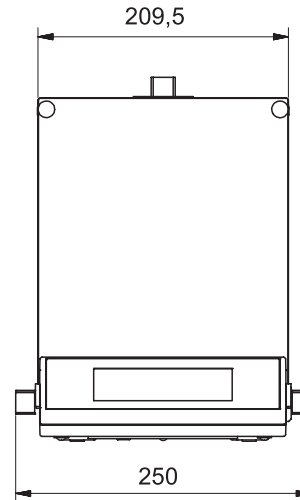
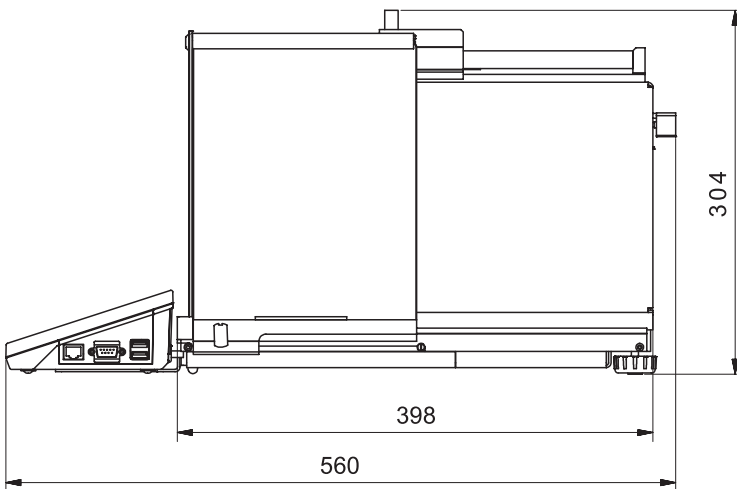
Analytical balances of XA/Y type has been designed on the basis of new electronic modules and u-to-date technology.

Measurement reliability and accuracy is assured by internal calibration triggered by time flow or temperature conditions.

Balances are equipped with spacious weighing chamber with automatically opened side glass doors. Balances are operated by using a touch panel covering a 5.7" colour graphic display. Y scales have implemented new easily operated software!

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

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



Infrared proximity sensors

- PRINT function
- TARE function
- opening weighing chambers
- sensors' sensitivity adjustment



Data exchange through USB storage devices

- export weighing data
- export/import databases
- export/import balance settings
- exchanging data between balances



Communication interfaces

- Ethernet
- RS 232
- 2xUSB
- 2 in/out

Technical data:

	XA 52/2Y	XA 110/2Y	XA 210/2Y	XA 82/220/2Y
Max load	52 g	100 g	210 g	82/220 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 (tø 20g) 0,03 mg (20g+50g)	0,025 mg (tø 20g) 0,03 mg (20g+60g) 0,045 mg (60g+110g)	0,025 mg (tø 20g) 0,03 mg (20g+60g) 0,045 mg (60g+110g) 0,07 mg (110g+210g)	0,025 mg (tø 60g) 0,04 mg (60g+82g) 0,08 mg (82+ 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	$2 \times 10^{-6} \times Rt$			
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ C \times Rt$			
Sensitivity stability	$1 \times 10^{-6} / a \times Rt$			
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	2xUSB, RS 232, Ethernet, 2in/2out (digital)			
Power supply	110 ÷ 230 V AC / 50 ÷ 60 Hz / 13,5 ÷ 16 V AC / 1,1 A			
Calibration	internal (automatic)			
Display	5,7" touch screen			
Pan size	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	685x405x495 mm			

Rt - net weight

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

Technical data:

	XA 100/2Y	XA 160/2Y	XA 220/2Y	XA 310/2Y	XA 510/2Y
Max load	100 g	160 g	220 g	310 g	510 g
Min load	10 mg	10 mg	10 mg	10 mg	10 mg
Readability	0,1 mg	0,1 mg	0,1 mg	0,1 mg	0,1 mg
Tare range	-100 g	-160 g	-220 g	-310 g	-510 g
Working temperature	+10° - +50°C				
Repeatability *	0,08 mg	0,08 mg	0,08 mg	0,08 mg (tø 220g) 0,2 mg (220g+310g)	0,08 mg (tø 220g) 0,2 mg (220g+510g)
Linearity	±0,2 mg	±0,2 mg	±0,2 mg	±0,3 mg	±0,3 mg
Eccentric load deviation	0,2 mg	0,2 mg	0,2 mg	0,3 mg	0,3 mg
Sensitivity offset	$2 \times 10^{-6} \times Rt$				
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ C \times Rt$				
Sensitivity stability	$1 \times 10^{-6} / a \times Rt$				
Minimum weight (USP)	240 mg				
Minimum weight (U = 1%, k = 2)	16 mg				
Stabilization time	3 s				
Interface	2xUSB, RS 232, Ethernet, 2in/2out (digital)				
Power supply	110 ÷ 230 V AC / 50 ÷ 60 Hz / 13,5 ÷ 16 V AC / 1,1 A				
Calibration	internal (automatic)				
Display	5,7" touch screen				
Pan size	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	9,5/12,6 kg
Packaging size	685x405x495 mm				

Rt - net weight

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

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