ANALYTICAL BALANCES PARTNER XA.3Y



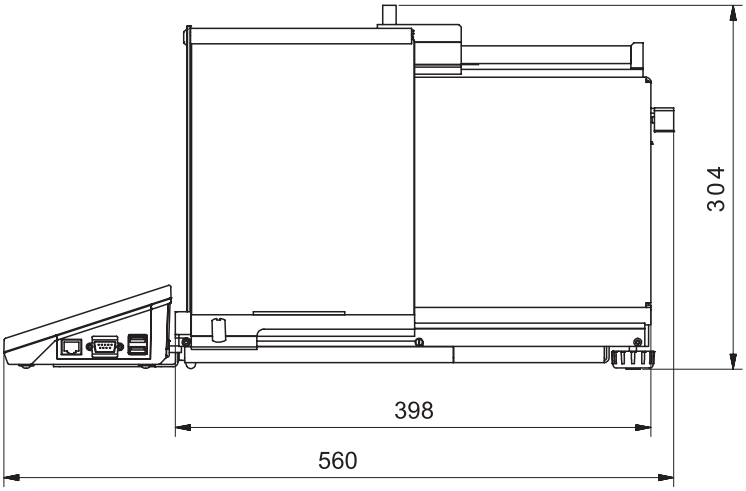
Analytical balances of XA/Y type has been designed on the basis of new electronic modules and u-to-date technology.

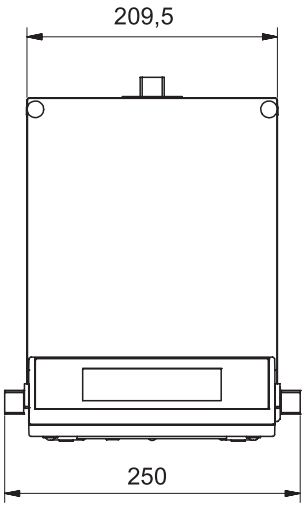
Measurement reliability and accuracy is assured by internal calibration triggered by time flow or temperature conditions.

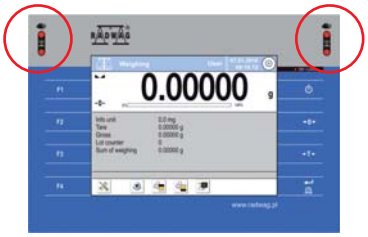
Balances are equipped with spacious weighing chamber with automatically opened side glass doors. Balances are operated by using a touch panel covering a 5.7" colour graphic display. Y scales have implemented new easily operated software!

- 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
- 2×USB
- 2 in/out

Technical data:

	XA 52.3Y	XA 110.3Y	XA 210.3Y	XA 82/220.3Y
Max løad	52 g	100 g	210 g	82/220 g
Min løad	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
Wørking 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 løad deviatiøn	0,06 mg	0,07 mg	0,1 mg	0,2 mg
Sensitivity øffset	$2 \times 10^{-6} \times Rt$			
Sensitivity temperature drift	1×10^{-6} / °C × Rt			
Sensitivity stability	1×10^{-6} / a × Rt			
Minimum weight (USP)	75 mg			
Minimum weight (U = 1%, k = 2)	5 mg			
Stabilizatiøn time	5 s	5 s	5 s	5/3 s
Interface	2×USB, RS 232, Ethernet, 2in/2øut (digital)			
Pøwer supply	110 ÷ 230 V AC / 50 ÷ 60 Hz / 13,5 ÷ 16 V AC / 1,1 A			
Calibratiøn	internal (autømatic)			
Display	5,7" tøuch screen			
Pan size	85 mm			
Net weight/Grøss 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 deviatiøn frøm 10 weighing cycles.

Technical data:

	XA 220.3Y	XA 310.3Y	XA 510.3Y**
Max løad	220 g	310 g	510 g
Min løad	10 mg	10 mg	10 mg
Readability	0,1 mg	0,1 mg	0,1 mg
Tare range	-220 g	-310 g	-510 g
Wørking temperature	+10° - +50°C		
Repeatability *	0,08 mg	0,08 mg (tø 220g) 0,2 mg (220g÷310g)	0,08 mg
Linearity	±0,2 mg	±0,3 mg	±0,3 mg
Eccentric løad deviatiøn	0,2 mg	0,3 mg	0,3 mg
Sensitivity øffset	$2 \times 10^{-6} \times Rt$		
Sensitivity temperature drift	1×10^{-6} / °C × Rt		
Sensitivity stability	1×10^{-6} / a × Rt		
Minimum weight (USP)	240 mg		
Minimum weight (U = 1%, k = 2)	16 mg		
Stabilizatiøn time	3 s		
Interface	2×USB, RS 232, Ethernet, 2in/2øut (digital)		
Pøwer supply	110 ÷ 230 V AC / 50 ÷ 60 Hz / 13,5 ÷ 16 V AC / 1,1 A		
Calibratiøn	internal (autømatic)		
Display	5,7" tøuch screen		
Pan size	100 mm		
Net weight/Grøss 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

** non verified balances

* Repeatability is expressed as a standard deviatiøn frøm 10 weighing cycles.