



XA 310.5Y.A Analytical Balance, XA 110.5Y.A Analytical Balance, XA 82/220.5Y.A Analytical Balance, XA 210.5Y.A Analytical Balance, XA 120/250.5Y.A Analytical Balance, XA 220.5Y.A Analytical Balance, XA 52.5Y.A Analytical Balance, XA 520.5Y.A Analytical Balance

More information on the website
radwag.com/en/info,w1,N0J



XA 310.5Y.A Analytical Balance
 XA 220.5Y.A Analytical Balance
 XA 520.5Y.A Analytical Balance



XA 110.5Y.A Analytical Balance
 XA 82/220.5Y.A Analytical Balance
 XA 210.5Y.A Analytical Balance
 XA 120/250.5Y.A Analytical Balance
 XA 52.5Y.A Analytical Balance

Functions



Dosing



Percent Weighing



Parts counting



Peak hold



Formulation



Statistics



Checkweighing



Animal weighing



Pipettes Calibration



Density determination



Differential weighing



Statistical Quality Control



Packaged Goods Control

Datasheet

	XA 52.5Y.A Analytical Balance	XA 82/220.5Y.A Analytical Balance	XA 110.5Y.A Analytical Balance
Metrological parameters			
Maximum capacity [Max]	52 g	82 / 220 g	110 g
Minimum load	- mg	- mg	- mg
Readability [d]	0,01 mg	0,01 / 0,1 mg	0,01 mg
Tare range	-52 g	-220 g	-110 g
Verification scale interval [e]	- mg	- mg	- mg
Standard repeatability [5% Max]	0,005 mg	0,005 mg	0,005 mg
Standard repeatability [Max]	0,01 mg	0,06 mg	0,02 mg
Standard minimum weight (USP)	10 mg	10 mg	10 mg
Standard minimum weight (U=1%, k=2)	1 mg	1 mg	1 mg
Permissible repeatability [5% Max]	0,012 mg	0,012 mg	0,012 mg
Permissible repeatability [Max]	0,02 mg	0,08 mg	0,03 mg
Linearity	±0,03 mg	±0,06 / 0,2 mg	±0,06 mg
Eccentric load deviation	0,03 mg	0,02 mg	0,06 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	4 s	4 s	4 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	-	-	-
Physical parameters			
Levelling system	automatic - Reflex Level System	automatic - Reflex Level System	automatic - Reflex Level System
Display	10" touchscreen	10" touchscreen	10" touchscreen
Weighing chamber dimensions	170×200×220 mm	170×200×220 mm	170×200×220 mm
Weighing pan dimensions	∅90 + ∅85 (option) mm	∅90 + ∅85 (option) mm	∅90 + ∅85 (option) mm
Packaging dimensions	435 x 885 x 540 mm	435 x 885 x 540 mm	435 x 885 x 540 mm
Net weight	14,7 kg	14,7 kg	14,7 kg
Gross weight	19,1 kg	19,1 kg	19,1 kg
Communication interface			
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz
Power consumption max.	10 W	10 W	10 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)
Relative humidity	20% – 80%	20% – 80%	20% – 80%
Relative humidity change rate	±1%/h (±4%/8h)	±1%/h (±4%/8h)	±1%/h (±4%/8h)

Datasheet

	XA 120/250.5Y.A Analytical Balance	XA 210.5Y.A Analytical Balance	XA 220.5Y.A Analytical Balance
Metrological parameters			
Maximum capacity [Max]	120 / 250 g	210 g	220 g
Minimum load	- mg	- mg	- mg
Readability [d]	0,01 / 0,1 mg	0,01 mg	0,1 mg
Tare range	-250 g	-210 g	-220 g
Verification scale interval [e]	- mg	- mg	- mg
Standard repeatability [5% Max]	0,005 mg	0,005 mg	0,05 mg
Standard repeatability [Max]	0,06 mg	0,025 mg	0,08 mg
Standard minimum weight (USP)	10 mg	10 mg	100 mg
Standard minimum weight (U=1%, k=2)	1 mg	1 mg	10 mg
Permissible repeatability [5% Max]	0,012 mg	0,012 mg	0,07 mg
Permissible repeatability [Max]	0,1 mg	0,035 mg	0,1 mg
Linearity	±0,06 / 0,2 mg	±0,1 mg	±0,2 mg
Eccentric load deviation	0,2 mg	0,1 mg	0,2 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	4 s	4 s	1,3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	-	-	-
Physical parameters			
Levelling system	automatic - Reflex Level System	automatic - Reflex Level System	automatic - Reflex Level System
Display	10" touchscreen	10" touchscreen	10" touchscreen
Weighing chamber dimensions	170×200×220 mm	170×200×220 mm	170×200×220 mm
Weighing pan dimensions	∅90 + ∅85 (option) mm	∅90 + ∅85 (option) mm	∅100 mm
Packaging dimensions	435 x 885 x 540 mm	435 x 885 x 540 mm	435 x 885 x 540 mm
Net weight	14,7 kg	14,7 kg	14,7 kg
Gross weight	19,1 kg	19,1 kg	19,1 kg
Communication interface			
Communication interface	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz
Power consumption max.	10 W	10 W	10 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)
Relative humidity	20% – 80%	20% – 80%	20% – 80%
Relative humidity change rate	±1%/h (±4%/8h)	±1%/h (±4%/8h)	±1%/h (±4%/8h)

Datasheet

	XA 310.5Y.A Analytical Balance	XA 520.5Y.A Analytical Balance
Metrological parameters		
Maximum capacity [Max]	310 g	520 g
Minimum load	- mg	- mg
Readability [d]	0,1 mg	0,1 mg
Tare range	-310 g	-520 g
Verification scale interval [e]	- mg	- mg
Standard repeatability [5% Max]	0,05 mg	0,07 mg
Standard repeatability [Max]	0,1 mg	0,18 mg
Standard minimum weight (USP)	100 mg	140 mg
Standard minimum weight (U=1%, k=2)	10 mg	14 mg
Permissible repeatability [5% Max]	0,07 mg	0,12 mg
Permissible repeatability [Max]	0,15 mg	0,25 mg
Linearity	±0,3 mg	±0,5 mg
Eccentric load deviation	0,3 mg	0,4 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	1,3 s	1,3 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	-	-
Physical parameters		
Levelling system	automatic - Reflex Level System	automatic - Reflex Level System
Display	10" touchscreen	10" touchscreen
Weighing chamber dimensions	170×200×220 mm	170×200×220 mm
Weighing pan dimensions	ø100 mm	ø100 mm
Packaging dimensions	435 x 885 x 540 mm	435 x 885 x 540 mm
Net weight	14,7 kg	14,7 kg
Gross weight	19,1 kg	19,1 kg
Communication interface		
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters		
Power supply	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz
Power consumption max.	10 W	10 W
Environmental conditions		
Operating temperature	+10 – +40 °C	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)
Relative humidity	20% – 80%	20% – 80%
Relative humidity change rate	±1%/h (±4%/8h)	±1%/h (±4%/8h)

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Device dimensions

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