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

More information on the website
radwag.com/en/info,w1,MD7

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

XA 220.5Y Analytical Balance
XA 310.5Y Analytical Balance
XA 520.5Y Analytical Balance

Functions

- Autotest
- Dosing
- Percent Weighing
- Parts counting
- Peak hold
- Formulation
- Newton unit measurement
- Statistics
- Checkweighing
- IR sensors
- GLP Procedures
- Animal weighing
- Pipettes Calibration
- Air density correction
- Density determination
- Differential weighing
- Ambient conditions monitoring
- Statistical Quality Control
- Packaged Goods Control
- ALIBI Memory
- Wi-Fi

Datasheet

	XA 52.5Y Analytical Balance	XA 82/220.5Y Analytical Balance	XA 110.5Y Analytical Balance
Metrological parameters			
Maximum capacity [Max]	52 g	82 / 220 g	110 g
Minimum load	1 mg	10 mg	1 mg
Readability [d]	0,01 mg	0,01 / 0,1 mg	0,01 mg
Verification scale interval [e]	1 mg	1 mg	1 mg
Tare range	-52 g	-220 g	-110 g
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	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt
Stabilization time	4 s	4 s	4 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	I	I	I
Physical parameters			
Levelling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
Weighing chamber dimensions	168×160×228 mm	168×160×228 mm	168×160×228 mm
Weighing pan dimensions	ø90 + ø85 (option) mm	ø90 + ø85 (option) mm	ø90 + ø85 (option) mm
Packaging dimensions	435 x 885 x 540 mm	435 x 885 x 540 mm	435 x 885 x 540 mm
Net weight	9,8 kg	9,8 kg	9,8 kg
Gross weight	14,3 kg	14,3 kg	14,3 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	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*
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)

* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Datasheet

	XA 120/250.5Y Analytical Balance	XA 210.5Y Analytical Balance	XA 220.5Y Analytical Balance
Metrological parameters			
Maximum capacity [Max]	120 / 250 g	210 g	220 g
Minimum load	10 mg	1 mg	10 mg
Readability [d]	0,01 / 0,1 mg	0,01 mg	0,1 mg
Verification scale interval [e]	1 mg	1 mg	1 mg
Tare range	-250 g	-210 g	-220 g
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	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt
Stabilization time	4 s	4 s	1,3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	I	I	I
Physical parameters			
Levelling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
Weighing chamber dimensions	168×160×228 mm	168×160×228 mm	168×160×228 mm
Weighing pan dimensions	ø90 + ø85 (option) mm	ø90 + ø85 (option) mm	ø100 mm
Packaging dimensions	435 x 885 x 540 mm	435 x 885 x 540 mm	435 x 885 x 540 mm
Net weight	9,8 kg	9,8 kg	9,8 kg
Gross weight	14,3 kg	14,3 kg	14,3 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	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*
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)

* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Datasheet

	XA 310.5Y Analytical Balance	XA 520.5Y Analytical Balance
Metrological parameters		
Maximum capacity [Max]	310 g	520 g
Minimum load	10 mg	-
Readability [d]	0,1 mg	0,1 mg
Verification scale interval [e]	1 mg	-
Tare range	-310 g	-520 g
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	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt
Stabilization time	1,3 s	1,3 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	I	-
Physical parameters		
Levelling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen
Weighing chamber dimensions	168×160×228 mm	168×160×228 mm
Weighing pan dimensions	ø100 mm	ø100 mm
Packaging dimensions	435 x 885 x 540 mm	435 x 885 x 540 mm
Net weight	9,8 kg	9,8 kg
Gross weight	14,3 kg	14,3 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
Electrical parameters		
Power supply	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*
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)

* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

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

Accessories

Antivibration Tables

Holders for laboratory flasks

Barcode scanners
Density determination KIT
Professional weighing table
Holders for test tubes and filters
USB Hubs
Label Printers

THBR 2.0 System - Ambient Conditions Monitoring
Under-Pan Weighing Rack
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Fingerprint Reader
RS 232 – USB Converter
RS 232, RS 485 cables

Software

RAD-KEY
Label Editor R02
R-LAB
R.Barcode

LabVIEW Driver
RADWAG Remote Desktop
RADWAG Development Studio

Device dimensions

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