



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























More information on the website
radwag.com/en/info,w1,DU8



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

The drawings, photos and graphics used are for illustrative purposes only.

Functions

- | | | | |
|---|---|---|--|
|  Autotest |  Dosing |  Percent Weighing |  Parts counting |
|  Peak hold |  Formulation |  Newton unit measurement |  Statistics |
|  Checkweighing |  IR sensors |  Under-pan weighing |  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 220.5Y Analytical Balance	XA 310.5Y Analytical Balance	XA 520.5Y Analytical Balance
Metrological parameters			
Maximum capacity [Max]	220 g	310 g	520 g
Minimum load	10 mg	10 mg	-
Readability [d]	0,1 mg	0,1 mg	0,1 mg
Verification scale interval [e]	1 mg	1 mg	-
Tare range	-220 g	-310 g	-520 g
Standard repeatability [5% Max]	0,05 mg	0,05 mg	0,07 mg
Standard repeatability [Max]	0,08 mg	0,1 mg	0,18 mg
Standard minimum weight (USP)	100 mg	100 mg	140 mg
Standard minimum weight (U=1%, k=2)	10 mg	10 mg	14 mg
Permissible repeatability [5% Max]	0,07 mg	0,07 mg	0,12 mg
Permissible repeatability [Max]	0,1 mg	0,15 mg	0,25 mg
Linearity	±0,2 mg	±0,3 mg	±0,5 mg
Eccentric load deviation	0,2 mg	0,3 mg	0,4 mg
Sensitivity time drift	1×10 ⁻⁶ /Year×Rt	1×10 ⁻⁶ /Year×Rt	1×10 ⁻⁶ /Year×Rt
Stabilization time	1,3 s	1,3 s	1,3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	I	I	-
Physical parameters			
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
Protection class	IP 43	IP 43	IP 43
Delivery components	Analytical Balance, weighing pan, weighing pan shield, bottom cover, brush, fabric dust cover, power supply.	Analytical Balance, weighing pan, weighing pan shield, bottom cover, brush, fabric dust cover, power supply.	Analytical Balance, weighing pan, weighing pan shield, bottom cover, brush, fabric dust cover, power supply.
Weighing chamber dimensions	168×160×228 mm	168×160×228 mm	168×160×228 mm
Weighing pan dimensions	ø100 mm	ø100 mm	ø100 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm	750×492×595 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 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*	Adapter: 100 – 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.

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

Accessories

Barcode scanners
 Holders for laboratory flasks
 Density determination KIT
 Holders for test tubes and filters
 Professional weighing table
 Protective cover for balances
 Power Adapters
 Automatic feeders
 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
 Weighing dishes
 Receipt Printer
 Fingerprint Reader
 RS 232 – USB Converter
 RS 232, RS 485 cables
 Under-pan weighing

Software

RAD-KEY
 Label Editor R02
 R-LAB
 RADWAG Development Studio

LabVIEW Driver
 RADWAG Remote Desktop
 Scales Editor 2.1
 R.Barcode

Device dimensions

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

