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[radwag.com/us/info,w1,V5C](http://radwag.com/us/info,w1,V5C)

# XA 520.5Y.A 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
-  Automatic sliding door
-  Density determination
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

Maximum capacity [Max]	520 g
Minimum load	-
Readability [d]	0,1 mg

Verification unit [e]	-
Tare range	-520 g
Standard repeatability [5% Max]	0,07 mg
Standard repeatability [Max]	0,18 mg
Standard minimum weight (USP)	140 mg
Standard minimum weight (U=1%, k=2)	14 mg
Permissible repeatability [5% Max]	0,12 mg
Permissible repeatability [Max]	0,25 mg
Linearity	±0,5 mg
Eccentric load deviation	0,4 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	1,3 s
Adjustment	internal (automatic)
OIML Class	-

### Physical parameters

Leveling system	automatic – Reflex Level System
Display	10" graphic colour touchscreen
Weighing chamber	automatic
Weighing chamber doors	automatic
Delivery components	Analytical Balance, weighing pan, weighing pan shield, brush, fabric dust cover, power supply.
Weighing chamber dimensions	200×170×220 mm
Weighing pan dimensions	ø100 mm
Packaging dimensions	750×492×595 mm
Net weight	14,7 kg
Gross weight	20,5 kg

### Construction

Protection class	IP 43
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	20% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

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

**Stabilization time** depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

\* 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

- MediaBox
- RFID Tags
- Antivibration tables
- Power Adapters
- Protective cover for balances
- RS 232, RS 485 cables
- Holders for laboratory flasks
- Density determination KIT
- Additional modules
- Holders for test tubes and filters
- Professional Weighing Tables
- Protective cover for balances
- Barcode scanners
- Automatic feeders
- Label Printers
- THBR 2.0 System - Ambient Conditions Monitoring
- RS 232, RS 485 cables
- Under-pan weighing
- Anti-Draft Chamber for XA 4Y and XA 5Y Balances
- Weighing dishes
- Antistatic ionizer
- Receipt Printer
- Fingerprint Reader
- RS 232 – USB Converter
- Under-pan weighing

## Software

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]
- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]

## Device dimensions

