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**XA 520.5Y 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 520.5Y Analytical Balance
<b>Metrological parameters</b>	
Maximum capacity [Max]	520 g
Minimum load	-
Readability [d]	0,1 mg
Verification scale interval [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	-
<b>Physical parameters</b>	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
Delivery components	Analytical Balance, weighing pan, weighing pan shield, bottom cover, brush, fabric dust cover, power supply.
Weighing chamber dimensions	168×160×228 mm
Weighing pan dimensions	∅100 mm
Packaging dimensions	435 x 885 x 540 mm
Net weight	9,8 kg
Gross weight	14,3 kg
<b>Communication interface</b>	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*
<b>Environmental conditions</b>	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)
Relative humidity	20% – 80%
Relative humidity change rate	±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  
 Density determination KIT  
 Professional weighing table  
 Holders for test tubes and filters  
 USB Hubs  
 Label Printers  
 Holders for laboratory flasks

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

## 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 520.5Y Analytical Balance

