



More information on the website
radwag.com/en/info,w1,00D

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

Metrological parameters	
Maximum capacity [Max]	520 g
Minimum load	-

Metrological parameters	
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	-
Physical parameters	
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	ø100 mm
Packaging dimensions	435 x 885 x 540 mm
Net weight	9,8 kg
Gross weight	14,3 kg
Communication interface	
Communication interface	USB-A x2, 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*
Environmental conditions	
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

