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# XA 520.5Y Analytical Balance

WL-110-0014



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 -

| <b>Metrological parameters</b>     |  |
|------------------------------------|--|
| Readability [d]                    | 0.1 mg   |
| Verification unit [e]              | -  |
| Tare range                         | -520 g   |
| Minimum weight (USP)               | 140 mg   |
| Minimum weight (U=1%, k=2)         | 14 mg  |
| Standard repeatability [5% Max]    | 0.07 mg  |
| Permissible repeatability [5% Max] | 0.12 mg  |
| Linearity                          | ±0.5 mg  |
| Eccentric load deviation           | 0.4 mg   |
| Sensitivity time drift             | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$  |
| Stabilization time                 | 1.3 s  |
| Adjustment                         | internal (automatic)   |
| OIML Class                         | -  |
| <b>Physical parameters</b>         |  |
| Leveling system                    | semi-automatic – LevelSENSING  |
| Display                            | 10" graphic colour touchscreen   |
| Weighing chamber doors             | manual   |
| 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 W x D x H     | 750×492×595 mm   |
| Net weight                         | 9.8 kg   |
| Gross weight                       | 14.3 kg  |
| <b>Construction</b>                |  |
| Protection class                   | IP 43  |
| <b>Communication interface</b>     |  |
| Communication interface            | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot  |
| <b>Electrical parameters</b>       |  |
| Power supply                       | Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.4A max; 9 – 17W*                |
| <b>Environmental conditions</b>    |  |
| 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)  |

**Standard repeatability [5% Max]** and **Standard minimum weight (USP)** are parameters obtained in automatic mode under special laboratory conditions.

**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.

\* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.

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 (Additional Fee)

MediaBox  
RFID Tags  
Antivibration Tables  
Power Adapters  
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

Balance Storage Case  
Automatic feeders  
Label Printers  
THBR 2.0 System - Ambient Conditions Monitoring  
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

## Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

## Device dimensions W x D x H

