



# XA 121/220.5Y.A Analytical Balance
























WL-110-0026

More information on the website  
radwag.com/en/info,w1,48C



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

### Metrological parameters

Maximum capacity [Max]	121 / 220 g
Minimum load	0.5 mg

<b>Metrological parameters</b>	
Readability [d]	0.005 / 0.01 mg
Verification unit [e]	1 mg
Tare range	-220 g
Minimum weight (USP)	10 mg
Minimum weight (U=1%, k=2)	1 mg
Standard repeatability [5% Max]	0.005 mg
Permissible repeatability [5% Max]	0.01 mg
Standard linearity	0.06 mg
Permissible linearity	0.1 mg
Standard eccentric load deviation	0.06 mg
Permissible eccentric load deviation	0.1 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
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, centring ring, brush, fabric dust cover, power supply.
Weighing chamber dimensions	200×170×220 mm
Weighing pan dimensions	∅78 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	14.7 kg
Gross weight	16 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 Balance: 12 – 15V DC 1.6A max; 10 – 19W*
<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.



Additional fee for verification



## Accessories (Additional Fee)

MediaBox  
RFID Tags  
Antivibration Tables  
Adapters for Pipettes Calibration  
Power Adapters  
Protective cover for balances  
RS 232, RS 485 cables  
Density determination KIT  
Additional modules  
Professional Weighing Tables  
Barcode scanners  
Automatic feeders

Label Printers  
THBR 2.0 System - Ambient Conditions Monitoring  
MICRO-KIT - Set of Holders for Microscale Glassware  
Under-pan weighing  
Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
Weighing dishes  
Antistatic ionizer  
Receipt Printer  
Fingerprint Reader  
Adapter for Pipette Calibration  
RS 232 – USB Converter  
Balance Storage Case

## 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

