



# XA 41/120.5Y.A Analytical Balance

WL-110-0027

More information on the website  
[mirror.radwag.com/us/info,w1,E30](http://mirror.radwag.com/us/info,w1,E30)



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]	41 / 120 g
Minimum load	0,2 mg
Readability [d]	0,002 / 0,005 mg

Verification unit [e]	1 mg
Tare range	-120 g
Standard repeatability [5% Max]	0,004 mg
Standard minimum weight (USP)	8,2 mg
Standard minimum weight (U=1%, k=2)	0,8 mg
Permissible repeatability [5% Max]	0,008 mg
Standard linearity	0,03 mg
Permissible linearity	0,1 mg
Standard eccentric load deviation	0,04 mg
Eccentric load deviation	0,1 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	3,5 s
Adjustment	internal (automatic)
OIML Class	-
<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	ø64 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	14,1 kg
Gross weight	18,45 kg
<b>Construction</b>	
Protection class	IP 43
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10 – 19W*
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 (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  
 RS 232 – USB Converter  
 !Balance Storage Case

## Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]

- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]

## Device dimensions W x D x H

