



More information on the website  
[radwag.com/en/info,w1,519](http://radwag.com/en/info,w1,519)
























**XA 110.5Y.A Analytical Balance**



XA 110.5Y.A 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        |  Automatic sliding door      |
|  Density determination  |  Differential weighing |  Ambient conditions monitoring |  Statistical Quality Control |
|  Packaged Goods Control |  ALIBI Memory          |  Wi-Fi                         |   |

# Datasheet

	<b>XA 110.5Y.A Analytical Balance</b>
<b>Metrological parameters</b>	
Maximum capacity [Max]	110 g
Minimum load	1 mg
Readability [d]	0,01 mg
Verification scale interval [e]	1 mg
Tare range	-110 g
Standard repeatability [5% Max]	0,005 mg
Standard repeatability [Max]	0,02 mg
Standard minimum weight (USP)	10 mg
Standard minimum weight (U=1%, k=2)	1 mg
Permissible repeatability [5% Max]	0,012 mg
Permissible repeatability [Max]	0,03 mg
Linearity	±0,06 mg
Eccentric load deviation	0,06 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	4 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatic - Reflex Level System
Display	10" touchscreen
Delivery components	Analytical Balance, weighing pan, weighing pan shield, centring ring, brush, fabric dust cover, power supply.
Weighing chamber dimensions	170×200×220 mm
Weighing pan dimensions	ø90 + ø85 (option) mm
Packaging dimensions	435 x 885 x 540 mm
Net weight	14,7 kg
Gross weight	19,1 kg
<b>Communication interface</b>	
Communication interface	USB-A ×2, 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

Antivibration Tables  
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 110.5Y.A Analytical Balance

