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[radwag.com/en/info,w1,DUL](http://radwag.com/en/info,w1,DUL)

# XA 120/250.5Y.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
-  Moveable range
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

| Metrological parameters |             |
|-------------------------|-------------|
| Maximum capacity [Max]  | 120 / 250 g |
| Minimum load            | 10 mg       |

| <b>Metrological parameters</b>      |   |
|-------------------------------------|---|
| Readability [d]                     | 0,01 / 0,1 mg   |
| Verification scale interval [e]     | 1 mg  |
| Tare range                          | -250 g  |
| Standard repeatability [5% Max]     | 0,005 mg  |
| Standard repeatability [Max]        | 0,06 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]     | 0,1 mg  |
| Linearity                           | ±0,06 / 0,2 mg  |
| Eccentric load deviation            | 0,2 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             | ∅90 + ∅85 (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 x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot   |
| <b>Electrical parameters</b>        |   |
| Power supply                        | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>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  
Adapter for Pipette Calibration  
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

