



**XA 120/250.5Y.A Analytical Balance**

More information on the website  
[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

| XA 120/250.5Y.A Analytical Balance  |   |
|-------------------------------------|---|
| <b>Metrological parameters</b>      |   |
| Maximum capacity [Max]              | 120 / 250 g   |
| Minimum load                        | 1 mg  |
| Readability [d]                     | 0,01 / 0,1 mg   |
| Verification unit [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              | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$   |
| Stabilization time                  | 3 s   |
| Adjustment                          | internal (automatic)  |
| OIML Class                          | I   |
| <b>Physical parameters</b>          |   |
| Leveling system                     | automatyczny - 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             | ø90 open-work pan + ø85 (option) mm   |
| Packaging dimensions                | 750×492×595 mm  |
| Net weight                          | 14,7 kg   |
| Gross weight                        | 19,1 kg   |
| <b>Construction</b>                 |   |
| Protection class                    | IP 43   |
| <b>Communication interface</b>      |   |
| Communication interface             | 2×USB-A, 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

MediaBox  
 RFID Tags  
 Antivibration Tables  
 Adapters for Pipettes Calibration  
 Power Adapters  
 Protective cover for balances  
 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  
 Automatic feeders  
 Label Printers  
 THBR 2.0 System - Ambient Conditions Monitoring  
 RS 232, RS 485 cables  
 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  
 Under-pan weighing

## Software

E2R System  
 Label Editor R02  
 R-LAB  
 RADWAG Development Studio

RAD-KEY  
 RADWAG Remote Desktop  
 Scales Editor 2.1

## Device dimensions

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