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**XA 220.5Y Analytical Balance**



XA 220.5Y 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      |  Density determination  |
|  Differential weighing |  Ambient conditions monitoring |  Statistical Quality Control |  Packaged Goods Control |
|  ALIBI Memory          |  Wi-Fi                         |   |  |

# Datasheet

|                                     | <b>XA 220.5Y Analytical Balance</b>  |
|-------------------------------------|--|
| <b>Metrological parameters</b>      |  |
| Maximum capacity [Max]              | 220 g  |
| Minimum load                        | 10 mg  |
| Readability [d]                     | 0,1 mg   |
| Verification scale interval [e]     | 1 mg   |
| Tare range                          | -220 g   |
| Standard repeatability [5% Max]     | 0,05 mg  |
| Standard repeatability [Max]        | 0,08 mg  |
| Standard minimum weight (USP)       | 100 mg   |
| Standard minimum weight (U=1%, k=2) | 10 mg  |
| Permissible repeatability [5% Max]  | 0,07 mg  |
| Permissible repeatability [Max]     | 0,1 mg   |
| Linearity                           | ±0,2 mg  |
| Eccentric load deviation            | 0,2 mg   |
| Sensitivity time drift              | $1 \times 10^{-6} / \text{Year} \times R_t$  |
| Stabilization time                  | 1,3 s  |
| Adjustment                          | internal (automatic)   |
| OIML Class                          | I  |
| <b>Physical parameters</b>          |  |
| Leveling system                     | semi-automatic - LevelSENSING  |
| Display                             | 10" touchscreen  |
| Delivery components                 | Analytical Balance, weighing pan, weighing pan shield, bottom cover, brush, fabric dust cover, power supply. |
| Weighing chamber dimensions         | 168×160×228 mm   |
| Weighing pan dimensions             | ∅100 mm  |
| Packaging dimensions                | 435 x 885 x 540 mm   |
| Net weight                          | 9,8 kg   |
| Gross weight                        | 14,3 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<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

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

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