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# XA 220.5Y Analytical Balance

WL-110-0012



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

### Metrological parameters

Maximum capacity [Max]	220 g
Minimum load	10 mg

<b>Metrological parameters</b>	
Readability [d]	0,1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Minimum weight (USP)	100 mg
Minimum weight (U=1%, k=2)	10 mg
Standard repeatability [5% Max]	0,05 mg
Permissible repeatability [5% Max]	0,1 mg
Linearity	±0,2 mg
Eccentric load deviation	0,2 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	1,3 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
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 W x D x H	750×492×595 mm
Net weight	12,25 kg
Gross weight	16,5 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
<b>Environmental conditions</b>	
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** dependson 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                           | !Balance Storage Case                           |
| RFID Tags                          | Automatic feeders                               |
| Antivibration tables               | Label Printers                                  |
| Power Adapters                     | THBR 2.0 System - Ambient Conditions Monitoring |
| RS 232, RS 485 cables              | Under-pan weighing                              |
| Holders for laboratory flasks      | Anti-Draft Chamber for XA 4Y and XA 5Y Balances |
| Density determination KIT          | Weighing dishes                                 |
| Additional modules                 | Antistatic ionizer                              |
| Holders for test tubes and filters | Receipt Printer                                 |
| Professional Weighing Tables       | Fingerprint Reader                              |
| Protective cover for balances      | RS 232 – USB Converter                          |
| Barcode scanners                   |   |

## Software (Additional Fee)

- |   |   |
|---|---|
| • E2R Weighing [WX-010-0099]            | • RAD Key [WX-010-0005]                   |
| • Label Editor R02 [WX-010-0094]        | • RADWAG Remote Desktop [WX-010-0107]     |
| • Scale Editor - EWAG 2.1 [WX-010-0173] | • RADWAG Development Studio [WX-010-0104] |

## Device dimensions W x D x H

