# XA 121/220.5Y.A Analytical Balance

WL-110-0026

The drawings, photos and graphics used are for illustrative purposes only.

## Functions

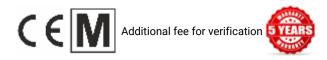| | | | |
|---|---|---|---|
| ⚙ Autotest | 💧 Dosing | % Percent Weighing | ⣿ Parts counting |
| 🔒 Peak hold | ⚗ Formulation | ⚖ Newton unit measurement | 📊 Statistics |
| ✓ Checkweighing | ✋ IR sensors | 🪝 Under-pan weighing | GLP GLP Procedures |
| 🐁 Animal weighing | 💉 Pipettes Calibration | ≈ Air density correction | ⮕ Automatic sliding door |
| ρ Density determination | ◑ Differential weighing | 🌡 Ambient conditions monitoring | SQC Statistical Quality Control |
| e Packaged Goods Control | 🧠 ALIBI Memory | 📶 Wi-Fi | |

## Datasheet

| Metrological parameters | |
|---|---|
| Maximum capacity [Max] | 121 / 220 g |
| Minimum load | 0.5 mg |

## Metrological parameters

| | |
|---|---|
| Readability [d] | 0.005 / 0.01 mg |
| Verification unit [e] | 1 mg |
| Tare range | -220 g |
| Standard repeatability [5% Max] | 0.005 mg |
| Standard repeatability [Max] | 0.025 mg |
| Standard minimum weight (USP) | 10 mg |
| Standard minimum weight (U=1%, k=2) | 1 mg |
| Permissible repeatability [5% Max] | 0.01 mg |
| Permissible repeatability [Max] | 0.035 mg |
| Standard linearity | 0.06 mg |
| Permissible linearity | 0.1 mg |
| Standard eccentric load deviation | 0.06 mg |
| Permissible eccentric load deviation | 0.1 mg |
| Sensitivity time drift | $1 \times 10^{-6}$/Year×Rt |
| Stabilization time | 2 s |
| Adjustment | internal (automatic) |
| OIML Class | - |

## Physical parameters

| | |
|---|---|
| Leveling system | automatic – 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 | ø78 mm |
| Packaging dimensions | 750×492×595 mm |
| Net weight | 14.7 kg |
| Gross weight | 16 kg |

## Construction

| | |
|---|---|
| Protection class | IP 43 |

## Communication interface

| | |
|---|---|
| Communication interface | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot |

## Electrical parameters

| | |
|---|---|
| Power supply | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.6A max* |

## Environmental conditions

| | |
|---|---|
| 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** depends on 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.

CE M    Additional fee for verification    5 YEARS WARRANTY

## Accessories (Additional Fee)

MediaBox
RFID Tags
Antivibration Tables
Adapters for Pipettes Calibration
Power Adapters
Protective cover for balances
RS 232, RS 485 cables
Density determination KIT
Additional modules
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
MICRO-KIT - Set of Holders for Microscale Glassware
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 (Additional Fee)

• E2R Weighing [WX-010-0099]
• RAD Key [WX-010-0005]
• RADWAG Remote Desktop [WX-010-0107]
• Scale Editor 2.1 [WX-010-0173]

• E2R Weighing Records [WX-010-0038]
• Label Editor R02 [WX-010-0094]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]

## Device dimensions