radwag.com

# XA 110.5Y.A Analytical Balance

WL-110-0002

More information on the website
mirror.radwag.com/en/info,w1,5I9

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
- Differential weighing
- Ambient conditions monitoring
- Statistical Quality Control
- Packaged Goods Control
- ALIBI Memory
- Wi-Fi

## Datasheet

| Metrological parameters | |
|---|---|
| Maximum capacity [Max] | 110 g |
| Minimum load | 1 mg |

| Metrological parameters | |
|---|---|
| Readability [d] | 0.01 mg |
| Verification unit [e] | 1 mg |
| Tare range | -110 g |
| Standard repeatability [5% Max] | 0.005 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] | 0.03 mg |
| Linearity | ±0.06 mg |
| Eccentric load deviation | 0.06 mg |
| Sensitivity time drift | $1\times10^{-6}$/Year×Rt |
| Stabilization time | 4 s |
| Adjustment | internal (automatic) |
| OIML Class | I |

| 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 | ø90 open-work pan + ø85 (option) mm |
| Packaging dimensions W x D x H | 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) |

**Standard repeatability [5% Max]** and **Standard minimum weight (USP)** are parameters obtained in automatic mode under special laboratory conditions.
**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.

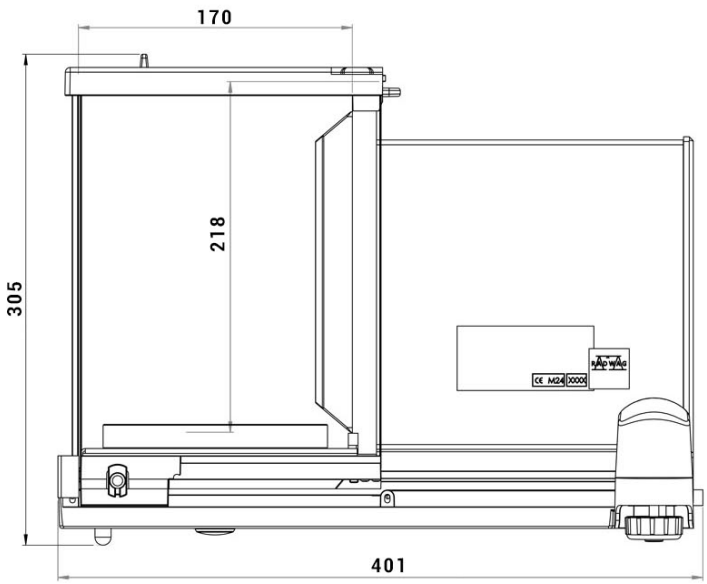
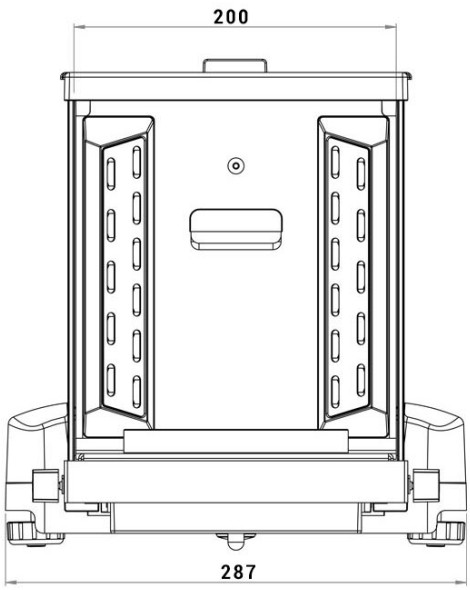
* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

Additional fee for verification

## 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
Barcode scanners
Automatic feeders
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
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
Balance Storage Case

## Software (Additional Fee)

• E2R Weighing [WX-010-0099]
• Label Editor R02 [WX-010-0094]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]
• RAD Key [WX-010-0005]
• RADWAG Remote Desktop [WX-010-0107]
• Scale Editor 2.1 [WX-010-0173]

## Device dimensions W x D x H