



More information on the website  
[mirror.radwag.com/us/info,w1,7D8](http://mirror.radwag.com/us/info,w1,7D8)
























# XA 6/21.5Y.M.A Microbalance

WL-109-1003



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
-  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

| Metrological parameters |          |
|-------------------------|----------|
| Maximum capacity [Max]  | 6 / 21 g |
| Minimum load            | 0,1 mg   |

| <b>Metrological parameters</b>     |  |
|------------------------------------|--|
| Readability [d]                    | 1 / 2 µg   |
| Verification unit [e]              | 1 mg   |
| Tare range                         | -21 g  |
| Minimum weight (USP)               | 2,6 mg   |
| Minimum weight (U=1%, k=2)         | 0,26 mg  |
| Standard repeatability [5% Max]    | 1,3 µg   |
| Permissible repeatability [5% Max] | 2 µg   |
| Linearity                          | ±9 µg  |
| Eccentric load deviation           | 15 µg  |
| Sensitivity time drift             | 1×10 <sup>-6</sup> /Year×Rt  |
| Stabilization time                 | ~ 3,5 s  |
| Adjustment                         | internal (automatic)   |
| OIML Class                         | I  |
| <b>Physical parameters</b>         |  |
| Leveling system                    | automatic – Reflex Level System  |
| Display                            | 10" graphic colour touchscreen   |
| Weighing chamber doors             | automatic  |
| Delivery components                | Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover.       |
| Weighing chamber dimensions        | 199×170×217 mm   |
| Weighing pan dimensions            | ø30 mm   |
| Packaging dimensions W x D x H     | 750×492×595 mm   |
| Net weight                         | 14,5 kg  |
| Gross weight                       | 18,9 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<br>Balance: 12 – 15V DC 1,6A max; 10 – 19W* |
| <b>Environmental conditions</b>    |  |
| Operating temperature              | +10 – +40 °C   |
| Operating temperature change rate  | ±0,3 °C / 1 h (±1 °C / 8 h)  |
| Relative humidity                  | 40% – 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.

## Accessories (Additional Fee)

MediaBox  
 RFID Tags  
 Antivibration tables  
 Power Adapters  
 Protective cover for balances  
 RS 232, RS 485 cables  
 Additional modules  
 Anti-Draft Chamber for Microbalances  
 Professional Weighing Tables  
 Barcode scanners  
 MICRO-KIT - Set of Holders for Microscale Glassware

Label Printers  
 THBR 2.0 System - Ambient Conditions Monitoring  
 Adapters for pipettes calibration  
 Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
 Weighing dishes  
 Antistatic ionizer  
 Receipt Printer  
 Fingerprint Reader  
 Adapter for Pipettes Calibration  
 RS 232 – USB Converter  
 Under-pan weighing

## Software (Additional Fee)

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

## Device dimensions W x D x H

