



# XA 6/21.5Y.M.A.P Microbalance














WL-112-1000

More information on the website  
[mirror.radwag.com/us/info,w1,07W](http://mirror.radwag.com/us/info,w1,07W)



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

## Functions

-  Autotest
-  Percent Weighing
-  Peak hold
-  Statistics
-  IR sensors
-  GLP Procedures
-  Pipettes Calibration
-  Air density correction
-  Automatic sliding door
-  Moveable range
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

Metrological parameters	
Maximum capacity [Max]	6 / 21 g
Minimum load	0,1 mg
Readability [d]	1 / 2 µg
Verification unit [e]	1 mg
Tare range	-21 g
Minimum weight (USP)	2,6 mg

<b>Metrological parameters</b>	
Minimum weight (U=1%, k=2)	0,26 mg
Standard repeatability [Max]	3,5 µg
Standard repeatability [5% Max]	1,3 µg
Permissible repeatability [Max]	5 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, automatic pipette calibration adapter: (base, bottom ring, glass vessel, pipette calibration adapter, evaporation ring, weighing pan, glass lid, mechanical closing cover, protecting screw), brush, fabric dust cover.
Weighing chamber dimensions	199×170×217 mm
Capacity	11 ml
Weighing pan dimensions	ø26 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	14,5 kg
Gross weight	20 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 1,6A 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** 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  
Power Adapters  
Protective cover for balances  
Additional modules  
Anti-Draft Chamber for Microbalances  
Automatic Variable-Volume Pipettes  
Professional Weighing Tables  
Barcode scanners

Workstation for pipettes calibration  
RS 232, RS 485 cables  
Label Printers  
THBR 2.0 System - Ambient Conditions Monitoring  
Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
Antistatic ionizer  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter  
Under-pan weighing

## Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- R-Pipettes [WX-010-0026]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]

- RAD Key [WX-010-0005]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]