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# XA 21/52.5Y.M.A.P Microbalance

WL-112-1001



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]	21 / 52 g
Minimum load	0.1 mg
Readability [d]	1 / 5 µg
Verification unit [e]	1 mg
Tare range	-52 g
Minimum weight (USP)	3 mg

<b>Metrological parameters</b>	
Minimum weight (U=1%, k=2)	0.3 mg
Standard repeatability [Max]	6 µg
Standard repeatability [5% Max]	1.5 µg
Permissible repeatability [Max]	8 µg
Permissible repeatability [5% Max]	2.4 µg
Linearity	±20 µg
Eccentric load deviation	20 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	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 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.

\* Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 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]
- Scale Editor 2.1 [WX-010-0173]

- RAD Key [WX-010-0005]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]