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# XA 21/52.5Y.M.A Microbalance

WL-109-1004



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

## Datasheet

### Metrological parameters

Maximum capacity [Max]	21 / 52 g
Minimum load	0,1 mg

<b>Metrological parameters</b>	
Readability [d]	1 / 5 µg
Verification unit [e]	1 mg
Tare range	-52 g
Minimum weight (USP)	3 mg
Minimum weight (U=1%, k=2)	0,3 mg
Standard repeatability [5% Max]	1,5 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, 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 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.

## 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  
 Automatic feeders  
 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

