



**XA 21.5Y.M.A.P Microbalance**























More information on the website  
[radwag.com/en/info,w1,85T](http://radwag.com/en/info,w1,85T)



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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

	<b>XA 21.5Y.M.A.P Microbalance</b>
<b>Metrological parameters</b>	
Maximum capacity [Max]	21 g
Minimum load	0,1 mg
Readability [d]	1 µg
Verification scale interval [e]	1 mg
Tare range	-21 g
Standard repeatability [5% Max]	1,3 µg
Standard repeatability [Max]	3,5 µg
Standard minimum weight (USP)	2,6 mg
Standard minimum weight (U=1%, k=2)	0,26 mg
Permissible repeatability [5% Max]	2 µg
Permissible repeatability [Max]	5 µg
Linearity	±9 µg
Eccentric load deviation	15 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	~3,5 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatic - Reflex Level System
Display	10" touchscreen
Protection class	IP 43
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
Weighing pan dimensions	ø26 mm
Packaging dimensions	765×515×545 mm
Net weight	14,5 kg
Gross weight	18,9 kg
<b>Communication interface</b>	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*
<b>Environmental conditions</b>	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)
Relative humidity	40% – 80%
Relative humidity change rate	±1%/h (±4%/8h)

\* 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

Antivibration Tables  
 Barcode scanners  
 Automatic Variable-Volume Pipettes  
 Professional weighing table  
 Protective cover for balances  
 Workstation for Pipettes Calibration  
 USB Hubs  
 Label Printers

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

## Software

RAD-KEY  
 LabVIEW Driver  
 RADWAG Remote Desktop  
 Scales Editor 2.1  
 R.Barcode

R-Pipettes  
 Label Editor R02  
 R-LAB  
 RADWAG Development Studio

## Device dimensions

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