



**XA 21/52.5Y.M.A Microbalance**























More information on the website  
[radwag.com/en/info,w1,452](http://radwag.com/en/info,w1,452)



XA 21/52.5Y.M.A Microbalance

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 21/52.5Y.M.A Microbalance</b>
<b>Metrological parameters</b>	
Maximum capacity [Max]	21/52 g
Minimum load	0,1 mg
Readability [d]	1/5 µg
Verification scale interval [e]	1 mg
Tare range	-52 g
Standard repeatability [5% Max]	1,5 µg
Standard repeatability [Max]	6 µg
Standard minimum weight (USP)	3 mg
Standard minimum weight (U=1%, k=2)	0,3 mg
Permissible repeatability [5% Max]	2,4 µg
Permissible repeatability [Max]	8 µg
Linearity	±20 µg
Eccentric load deviation	20 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	~3,5 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatic - Reflex Level System
Display	10" touchscreen
Weighing chamber dimensions	199×170×217 mm
Weighing pan dimensions	ø30 mm
Packaging dimensions	435 x 885 x 540 mm
Net weight	14,5 kg
Gross weight	18,9 kg
<b>Communication interface</b>	
Communication interface	USB-A ×2, 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

THBR 2.0 System - Ambient Conditions Monitoring

Barcode scanners  
Professional weighing table  
Protective cover for balances  
MICRO-KIT - Set of Holders for Microscale Glassware  
USB Hubs  
Label Printers

Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
Weighing dishes  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter  
Under-pan weighing

## Software

RAD-KEY  
Label Editor R02  
Scales Editor 2.1  
R.Barcode

LabVIEW Driver  
RADWAG Remote Desktop  
RADWAG Development Studio

## Device dimensions

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