



More information on the website  
[radwag.com/en/info,w1,X2K](http://radwag.com/en/info,w1,X2K)

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



XA 21.5Y.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 21.5Y.M.A 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	$1 \times 10^{-6} / \text{Year} \times R_t$
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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