



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

### XA 52.5Y.M.A Microbalance



XA 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

	XA 52.5Y.M.A Microbalance
<b>Metrological parameters</b>	
Maximum capacity [Max]	52 g
Minimum load	0,5 mg
Readability [d]	5 µg
Verification unit [e]	1 mg
Tare range	-52 g
Standard repeatability [5% Max]	2,2 µg
Standard repeatability [Max]	6 µg
Standard minimum weight (USP)	4,4 mg
Standard minimum weight (U=1%, k=2)	0,44 mg
Permissible repeatability [5% Max]	3,4 µg
Permissible repeatability [Max]	8 µg
Linearity	±20 µg
Eccentric load deviation	20 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	~3,5 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatyczny - 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	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, 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

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  
 Protective cover for balances  
 Barcode scanners  
 Automatic feeders

MICRO-KIT - Set of Holders for Microscale Glassware  
 Label Printers  
 THBR 2.0 System - Ambient Conditions Monitoring  
 RS 232, RS 485 cables  
 Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
 Weighing dishes  
 Antistatic ionizer  
 Receipt Printer  
 Fingerprint Reader  
 RS 232 – USB Converter  
 Under-pan weighing

## Software

E2R System  
 Label Editor R02  
 R-LAB  
 RADWAG Development Studio

RAD-KEY  
 RADWAG Remote Desktop  
 Scales Editor 2.1

## Device dimensions

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