



More information on the website  
[radwag.com/en/info,w1,112](http://radwag.com/en/info,w1,112)

# MYA 21/52.4Y Microbalance



The drawings, photos and graphics used are for illustrative purposes only.

## Datasheet

Metrological parameters	
Maximum capacity [Max]	21 / 52 g
Minimum load	100 µg
Readability [d]	1 / 10 µg
Verification unit [e]	1 mg
Tare range	-52 g
Standard repeatability [5% Max]	1.5 µg
Standard repeatability [Max]	10 µg
Standard minimum weight (USP)	3 mg
Standard minimum weight (U=1%, k=2)	0.3 mg
Permissible repeatability [5% Max]	2.7 µg
Permissible repeatability [Max]	15 µg
Linearity	±10 / 30 µg
Eccentric load deviation	6 / 10 µg
Sensitivity offset	$4 \times 10^{-6} \times Rt$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times Rt$

<b>Metrological parameters</b>	
Stabilization time	max 10 s
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
<b>Physical parameters</b>	
Leveling system	semi-automatic - LevelSENSING
Display	5.7" resistive colour touchscreen
Weighing chamber doors	automatic
Delivery components	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø90×90 mm
Weighing pan dimensions	ø26 / ø40 mm
Packaging dimensions	750×492×595 mm
Net weight	9.1 kg
Gross weight	16.6 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.1A 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)

Repeatability is expressed as a standard deviation from 10 weighing cycles.

Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Extra payment for verification



## Accessories

Automatic Variable-Volume Pipettes  
RS 232, RS 485 cables  
Label Printers  
Antivibration Tables

RS 232, RS 485 cables  
RS 232 – USB Converter  
Professional Weighing Tables

## Software

• RAD Key [WX-010-0005]

• R-Pipettes [WX-010-0026]

## Device dimensions

