



More information on the website
radwag.com/en/info,w1,59R

XA 52.4Y.M.A PLUS Microbalance



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

Functions



Autotest



Dosing



Percent Weighing



Parts counting



Formulation



Newton unit
measurement



Statistics



Checkweighing



IR sensors



GLP Procedures



Animal weighing



Air density correction



Automatic sliding door



Differential weighing



Ambient conditions
monitoring



Replaceable unit



Statistical Quality Control



Wi-Fi

Datasheet

Metrological parameters

Maximum capacity [Max]	52 g
Minimum load	0.5 mg
Readability [d]	5 µg
Verification unit [e]	1 mg

Metrological parameters	
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	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	~ 3.5 s
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
Physical parameters	
Leveling system	automatic - Reflex Level System
Display	5.7" resistive 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
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.1A max
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Relative humidity	20% ÷ 80%

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

RS 232, RS 485 cables
Label Printers
Receipt Printer
RS 232, RS 485 cables

RS 232 – USB Converter
Stent Weighing Kit
Professional Weighing Tables
RS 232 cables (scale - printer)

Software

- RAD Key [WX-010-0005]
- R-Lab [WX-010-0080]

- R-Pipettes [WX-010-0026]
- RADWAG Development Studio [WX-010-0104]

Device dimensions

