



More information on the website
radwag.com/en/info,w1,A0Z

XA 52.4Y.M.A.P 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
-  Pipettes Calibration
-  Air density correction
-  Automatic sliding door
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  SQC 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, automatic pipette calibration adapter: (base, bottom ring, glass vessel, pipette calibration adapter, evaporation ring, weighing pan, glass lid, mechanical closing cover, protecting screw), brush, fabric dust cover.
Weighing chamber dimensions	199×170×217 mm
Weighing pan dimensions	ø 26 + ø 30 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.

Use of the pipette calibration adapter reduces maximum capacity of the balance by the mass of the weighing vessel.

* 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
Receipt Printer

RS 232, RS 485 cables
RS 232 – USB Converter
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

