



More information on the website
radwag.com/en/info,w1,GS0

XA 52.5Y.M Microbalance



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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
-  Density determination
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

	XA 52.5Y.M Microbalance WL-109-0021
Metrological parameters	
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	1×10 ⁻⁶ /Year×Rt
Stabilization time	~ 3,5 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.
Weighing chamber dimensions	168×160×228 mm
Weighing pan dimensions	ø30 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	9,8 kg
Gross weight	14,3 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*
Environmental conditions	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. * 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.



Additional fee for verification



Accessories (Additional Fee)

- | | |
|---|---|
| MediaBox | Label Printers |
| RFID Tags | THBR 2.0 System - Ambient Conditions Monitoring |
| Antivibration Tables | RS 232, RS 485 cables |
| Power Adapters | Protective cover for balances |
| RS 232, RS 485 cables | Anti-Draft Chamber for XA 4Y and XA 5Y Balances |
| Additional modules | Weighing dishes |
| Anti-Draft Chamber for Microbalances | Antistatic ionizer |
| Professional Weighing Tables | Receipt Printer |
| Protective cover for balances | Fingerprint Reader |
| Barcode scanners | RS 232 – USB Converter |
| Automatic feeders | Under-pan weighing |
| MICRO-KIT - Set of Holders for Microscale Glassware | |

Software (Additional Fee)

- | | |
|---------------------------|-----------------------|
| E2R System | RAD-KEY |
| Label Editor R02 | RADWAG Remote Desktop |
| R-LAB | Scales Editor 2.1 |
| RADWAG Development Studio | |

Device dimensions W x D x H

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