



XA 53.5Y.M.A.P Microbalance

WL-112-0003

More information on the website
mirror.radwag.com/us/info,w1,8PQ



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

Functions



Autotest



Percent Weighing



Peak hold



Statistics



IR sensors



GLP Procedures



Pipettes Calibration



Air density correction



Automatic sliding door



Moveable range



Differential weighing



Ambient conditions monitoring



Replaceable unit



Statistical Quality Control



ALIBI Memory



Wi-Fi

Datasheet

Metrological parameters	
Maximum capacity [Max]	53 g
Minimum load	0,1 mg
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-53 g
Minimum weight (USP)	3 mg

Metrological parameters	
Minimum weight (U=1%, k=2)	0,3 mg
Standard repeatability [Max]	6 µg
Standard repeatability [5% Max]	1,5 µg
Permissible repeatability [Max]	8 µg
Permissible repeatability [5% Max]	2,4 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
Physical parameters	
Leveling system	automatic – Reflex Level System
Display	10" graphic 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
Capacity	11 ml
Weighing pan dimensions	ø26 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	14,05 kg
Gross weight	18,4 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 Max; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10 – 19W*
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 dependson 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
RFID Tags
Antivibration tables
Power Adapters
Protective cover for balances
Additional modules
Anti-Draft Chamber for Microbalances
Automatic Variable-Volume Pipettes
Professional Weighing Tables
Barcode scanners

Workstation for pipettes calibration
RS 232, RS 485 cables
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Antistatic ionizer
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Under-pan weighing

Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- R-Pipettes [WX-010-0026]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]

- RAD Key [WX-010-0005]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]