



More information on the website
radwag.com/en/info,w1,OS6

XA 53.5Y.M.A 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



Automatic sliding door



Density determination



Differential weighing



Ambient conditions monitoring



Statistical Quality Control



Packaged Goods Control



ALIBI Memory



Wi-Fi

Datasheet

	XA 53.5Y.M.A Microbalance
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
Standard repeatability [5% Max]	1,5 µg
Standard repeatability [Max]	6 µg
Standard minimum weight (USP)	3 mg
Standard minimum weight (U=1%, k=2)	0,3 mg
Permissible repeatability [5% Max]	2,4 µg
Permissible repeatability [Max]	8 µg
Linearity	±20 µg
Eccentric load deviation	20 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	~3,5 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	automatyczny - Reflex Level System
Display	10" graphic 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×USB-A, USB-C, 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/1h (±1°C/8h)
Relative humidity	40% – 80%
Relative humidity change rate	±1%/h (±4%/8h)

* 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.

Accessories

MediaBox
 RFID Tags
 Antivibration Tables
 Power Adapters
 Protective cover for balances
 RS 232, RS 485 cables
 Additional modules
 Anti-Draft Chamber for Microbalances
 Professional Weighing Tables
 Protective cover for balances
 Barcode scanners
 Automatic feeders

MICRO-KIT - Set of Holders for Microscale Glassware
 Label Printers
 THBR 2.0 System - Ambient Conditions Monitoring
 RS 232, RS 485 cables
 Adapters for Pipettes Calibration
 Anti-Draft Chamber for XA 4Y and XA 5Y Balances
 Weighing dishes
 Antistatic ionizer
 Receipt Printer
 Fingerprint Reader
 RS 232 – USB Converter
 Under-pan weighing

Software

E2R System
 Label Editor R02
 R-LAB
 RADWAG Development Studio

RAD-KEY
 RADWAG Remote Desktop
 Scales Editor 2.1

Device dimensions

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