



XA 53.5Y.M Microbalance

WL-109-0022

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



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

Metrological parameters

Maximum capacity [Max]	53 g
Minimum load	0,1 mg

Metrological parameters	
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-53 g
Minimum weight (USP)	1,4 mg
Minimum weight (U=1%, k=2)	0,14 mg
Standard repeatability [5% Max]	0,7 µg
Permissible repeatability [5% Max]	3 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 Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
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.

Accessories (Additional Fee)

MediaBox
 RFID Tags
 Antivibration tables
 Power Adapters
 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
 Adapters for pipettes calibration
 Anti-Draft Chamber for XA 4Y and XA 5Y Balances
 Weighing dishes
 Antistatic ionizer
 Receipt Printer
 Fingerprint Reader
 Adapter for Pipettes Calibration
 RS 232 – USB Converter
 Under-pan weighing

Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]

- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]

Device dimensions W x D x H

