radwag.com

XA 53.5Y.M Microbalance

WL-109-0022

More information on the website
mirror.radwag.com/en/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	12 kg
Gross weight	17 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)

Standard repeatability [5% Max] and **Standard minimum weight (USP)** are parameters obtained in automatic mode under special laboratory conditions.
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.
***** Power consumption depends on the terminal configuration as well as the number and type of external devices connected.
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
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
Suction pumps for liquids
RS 232 – USB Converter
Under-pan weighing

Software (Additional Fee)

• E2R Weighing [WX-010-0099]
• Label Editor R02 [WX-010-0094]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]
• RAD Key [WX-010-0005]
• RADWAG Remote Desktop [WX-010-0107]
• Scale Editor 2.1 [WX-010-0173]

Device dimensions W x D x H



