



More information on the website  
[mirror.radwag.com/us/info,w1,GS0](https://mirror.radwag.com/us/info,w1,GS0)

# XA 52.5Y.M Microbalance

WL-109-0021



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

|                        |        |
|------------------------|--------|
| 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 minimum weight (USP)       | 4,4 mg                                                                                                 |
| Standard minimum weight (U=1%, k=2) | 0,44 mg                                                                                                |
| Permissible repeatability [5% Max]  | 3,4 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                                                                                                      |
| <b>Physical parameters</b>          |                                                                                                        |
| 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                                                                                                |
| <b>Construction</b>                 |                                                                                                        |
| Protection class                    | IP 43                                                                                                  |
| Communication interface             | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                                          |
| Power supply                        | Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,4A max; 9 – 17W*          |
| 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  
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  
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 (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

