



More information on the website  
[mirror.radwag.com/en/info,w1,K2M](https://mirror.radwag.com/en/info,w1,K2M)

# MYA 11.5Y Microbalance

WL-109-0008



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]

11 g

Minimum load

0.1 mg

| Metrological parameters             |                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Readability [d]                     | 1 µg                                                                                                                    |
| Verification unit [e]               | 1 mg                                                                                                                    |
| Tare range                          | -11 g                                                                                                                   |
| Standard repeatability [5% Max]     | 0.7 µg                                                                                                                  |
| Standard repeatability [Max]        | 1.8 µg                                                                                                                  |
| Standard minimum weight (USP)       | 1.4 mg                                                                                                                  |
| Standard minimum weight (U=1%, k=2) | 0.18 mg                                                                                                                 |
| Permissible repeatability [5% Max]  | 1.6 µg                                                                                                                  |
| Permissible repeatability [Max]     | 3.5 µg                                                                                                                  |
| Linearity                           | ±6 µg                                                                                                                   |
| Eccentric load deviation            | 6 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, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover. |
| Weighing chamber dimensions         | ø 90×90 mm                                                                                                              |
| Weighing pan dimensions             | ø26 mm                                                                                                                  |
| Packaging dimensions W x D x H      | 750×492×595 mm                                                                                                          |
| Net weight                          | 10.6 kg                                                                                                                 |
| Gross weight                        | 16.5 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; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.4A max*                                        |
| 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], Standard repeatability [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** 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.



Additional fee for verification



## Accessories (Additional Fee)

MediaBox  
RFID Tags  
Antivibration Tables  
Power Adapters  
Additional modules  
Anti-Draft Chamber for Microbalances  
Professional Weighing Tables  
Antistatic ionizer  
Protective cover for balances

Barcode scanners  
Balance Storage Case  
RS 232, RS 485 cables  
Chamber for filter weighing  
THBR 2.0 System - Ambient Conditions Monitoring  
Weighing dishes  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter

## 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

