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# MYA 21/52.5Y Microbalance

WL-109-1002



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]	21 / 52 g
Minimum load	0.1 mg

<b>Metrological parameters</b>	
Readability [d]	1 / 10 µg
Verification unit [e]	1 mg
Tare range	-52 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]	2 µg
Linearity	±10 / 30 µg
Eccentric load deviation	6 / 10 µg
Sensitivity time drift	1×10 <sup>-6</sup> /Year×Rt
Stabilization time	3.5 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
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 + ø40 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	10.6 kg
Gross weight	16.5 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A Balance: 12 – 15V DC 1.4A max; 9 – 17W*
<b>Environmental conditions</b>	
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.

\* 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.

## Accessories (Additional Fee)

- |                                      |   |
|--------------------------------------|---|
| MediaBox                             | Barcode scanners                                |
| RFID Tags                            | Balance Storage Case                            |
| Antivibration Tables                 | RS 232, RS 485 cables                           |
| Power Adapters                       | Chamber for filter weighing                     |
| Adapters for Pipettes Calibration    | THBR 2.0 System - Ambient Conditions Monitoring |
| Additional modules                   | Weighing dishes                                 |
| Anti-Draft Chamber for Microbalances | Receipt Printer                                 |
| Professional Weighing Tables         | Fingerprint Reader                              |
| Antistatic ionizer                   | RS 232 – USB Converter                          |
| Protective cover for balances        |   |

## Software (Additional Fee)

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

## Device dimensions W x D x H

