

# **MYA 31.5Y Microbalance**

WL-109-0011





The drawings, photos and graphics used are for illustrative purposes only.

#### **Functions**

Autotest

Peak hold

Checkweighing

**Pipettes Calibration** 

Ambient conditions monitoring

Wi-Fi

Dosing

Formulation

IR sensors

Air density correction

Statistical Quality Control

Density determination

**Percent Weighing** 

Newton unit

measurement

**GLP Procedures** 

Packaged Goods Control

Parts counting





Statistics



Animal weighing



Differential weighing



ALIBI Memory

#### **Datasheet**

Metrological parameters	
Maximum capacity [Max]	31 g
Minimum load	0.1 mg

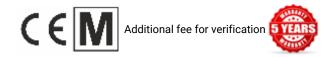
Metrological parameters	
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-31 g
Standard repeatability [5% Max]	1.2 µg
Standard repeatability [Max]	4.5 μg
Standard minimum weight (USP)	2.4 mg
Standard minimum weight (U=1%, k=2)	0.24 mg
Permissible repeatability [5% Max]	2.5 μg
Permissible repeatability [Max]	6.5 µg
Linearity	±8 μg
Eccentric load deviation	8 µg
Sensitivity time drift	1×10 <sup>-6</sup> /Year×Rt
Stabilization time	3.5 s
Adjustment	internal (automatic)
OIML Class	1
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	9.1 kg
Gross weight	15.5 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 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)

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.

<sup>\*</sup> Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



## **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 RS 232, RS 485 cables
Chamber for filter weighing
THBR 2.0 System - Ambient Conditions Monitoring
RS 232, RS 485 cables
Weighing dishes
Receipt Printer
Fingerprint Reader
Protective cover for balances
RS 232 – USB Converter

## **Software (Additional Fee)**

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

### Device dimensions W x D x H

