



More information on the website
mirror.radwag.com/en/info,w1,MGY

MYA 31.5Y Microbalance

WL-109-0011



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]

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]	0.9 µg
Standard repeatability [Max]	3.9 µg
Standard minimum weight (USP)	1.8 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	$1 \times 10^{-6} / \text{Year} \times R_t$
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 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

