radwag.com

# MYA 31.5Y Microbalance

WL-109-0011

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

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 |
| Minimum weight (USP) | 1.8 mg |
| Minimum weight (U=1%, k=2) | 0.18 mg |
| Standard repeatability [5% Max] | 0.9 µg |
| Permissible repeatability [5% Max] | 2.2 µg |
| Linearity | ±8 µg |
| Eccentric load deviation | 8 µg |
| Sensitivity time drift | $1\times10^{-6}$/Year×Rt |
| 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 Max; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.4A max; 9 – 17W* |
| **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** dependson 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.

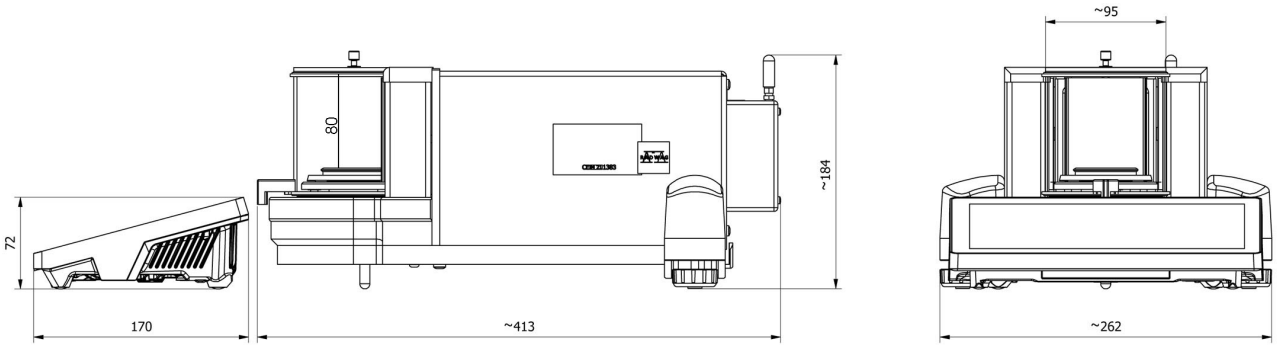
* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

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