



More information on the website
mirror.radwag.com/en/info,w1,3L0

UYA 2.5Y Ultra-Microbalance

WL-109-0001



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]	2.1 g
Minimum load	0.01 mg

Metrological parameters	
Readability [d]	0.1 µg
Verification unit [e]	1 mg
Tare range	-2.1 g
Minimum weight (USP)	0.3 mg
Minimum weight (U=1%, k=2)	0.03 mg
Standard repeatability [5% Max]	0.15 µg
Permissible repeatability [5% Max]	0.35 µg
Linearity	±1.5 µg
Eccentric load deviation	1.5 µg
Sensitivity time drift	1×10 ⁻⁶ /Year×Rt
Stabilization time	4 – 12 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	automatic – Reflex Level System
Display	10" graphic colour touchscreen
Delivery components	Ultra-microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, anti-draft shield, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 90×90 mm
Weighing pan dimensions	ø16 mm
Anti-draft chamber dimensions	560×350×252 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 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 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 | Balance Storage Case |
| RFID Tags | RS 232, RS 485 cables |
| Antivibration Tables | Label Printers |
| Power Adapters | Chamber for filter weighing |
| Additional modules | THBR 2.0 System - Ambient Conditions Monitoring |
| Professional Weighing Tables | Weighing dishes |
| Antistatic ionizer | Receipt Printer |
| Protective cover for balances | Fingerprint Reader |
| Barcode scanners | |

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

