



More information on the website
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
Standard repeatability [5% Max]	0.15 µg
Standard repeatability [Max]	0.35 µg
Standard minimum weight (USP)	0.3 mg
Standard minimum weight (U=1%, k=2)	0.03 mg
Permissible repeatability [5% Max]	0.35 µg
Permissible repeatability [Max]	0.6 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	9.1 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)

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.

* 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

Professional Weighing Tables

Antistatic ionizer

Protective cover for balances

Barcode scanners

RS 232, RS 485 cables

Label Printers

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

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

