



More information on the website  
[radwag.com/us/info,w1,3L0](http://radwag.com/us/info,w1,3L0)

# UYA 2.5Y Ultra-Microbalance



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

Maximum capacity [Max]	2,1 g
Minimum load	0,01 mg
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 <sup>-6</sup> /Year×Rt
Stabilization time	10 - 20 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	750×492×595 mm
Net weight	9,1 kg
Gross weight	16,5 kg

Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*
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)

\* 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.



Extra payment for verification



## Accessories

MediaBox  
RFID Tags

RS 232, RS 485 cables  
Label Printers

Antivibration tables  
Power Adapters  
Additional modules  
Professional Weighing Tables  
Antistatic ionizer  
Protective cover for balances  
Barcode scanners

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

## Software

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]

- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]

## Device dimensions

