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[radwag.com/en/info,w1,MIA](http://radwag.com/en/info,w1,MIA)

# UYA 2.5Y.F Ultra-Microbalance



The drawings, photos and graphics used are for illustrative purposes only.

## Functions

-  Autotest
-  Percent Weighing
-  Peak hold
-  Statistics
-  IR sensors
-  GLP Procedures
-  Air density correction
-  Moveable range
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

Metrological parameters	
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

Metrological parameters	
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 for filters, centring ring, glass lid, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 93.8×35 mm
Weighing pan dimensions	ø70 + 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	
Communication interface	2×USB-A, USB-C, 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.



Extra payment for verification



## Accessories

MediaBox  
RFID Tags

Barcode scanners  
RS 232, RS 485 cables

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

Label Printers  
THBR 2.0 System - Ambient Conditions Monitoring  
RS 232, RS 485 cables  
Receipt Printer  
Fingerprint Reader

## Software

- 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

