
























More information on the website  
[radwag.com/en/info,w1,MIA](http://radwag.com/en/info,w1,MIA)

# UYA 2.5Y.F Ultra-Microbalance



## 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

<b>Metrological parameters</b>	
Readability [d]	0,1 µg
Verification scale interval [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
<b>Physical parameters</b>	
Leveling system	automatic - Reflex Level System
Display	10" touchscreen
Delivery components	Ultra-microbalance, terminal, weighing pan, weighing pan for filters, centring ring, glass lid, penseta, brush, fabric dust cover , RS232 cable.
Weighing chamber dimensions	Ø 93,8×35 mm
Weighing pan dimensions	Ø70 + Ø16 mm
Packaging dimensions	655×755×445 mm
Net weight	9,1 kg
Gross weight	16,6 kg
<b>Communication interface</b>	
Communication interface	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*
<b>Environmental conditions</b>	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)
Relative humidity	40% – 80%
Relative humidity change rate	±1%/h (±4%/8h)

\* 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

Antivibration Tables  
Professional weighing table  
Barcode scanners  
Label Printers

THBR 2.0 System - Ambient Conditions Monitoring  
Fingerprint Reader  
RS 232, RS 485 cables

## Software

RAD-KEY  
LabVIEW Driver  
R-LAB  
RADWAG Development Studio

Audit Trail Reader  
RADWAG Remote Desktop  
Scales Editor 2.1