



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

### UYA 6.5Y Ultra-Microbalance, UYA 2.5Y Ultra-Microbalance



UYA 6.5Y Ultra-Microbalance  
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

	UYA 2.5Y Ultra-Microbalance	UYA 6.5Y Ultra-Microbalance
<b>Metrological parameters</b>		
Maximum capacity [Max]	2,1 g	6,1 g
Minimum load	0,01 mg	0,01 mg
Readability [d]	0,1 µg	0,1 µg
Verification unit [e]	1 mg	1 mg
Tare range	-2,1 g	-6,1 g
Standard repeatability [5% Max]	0,15 µg	0,2 µg
Standard repeatability [Max]	0,35 µg	0,45 µg
Standard minimum weight (USP)	0,3 mg	0,4 mg
Standard minimum weight (U=1%, k=2)	0,03 mg	0,04 mg
Permissible repeatability [5% Max]	0,35 µg	0,4 µg
Permissible repeatability [Max]	0,6 µg	0,8 µg
Linearity	±1,5 µg	±1,5 µg
Eccentric load deviation	1,5 µg	1,5 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	10 - 20 s	10 - 20 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	I	I
<b>Physical parameters</b>		
Leveling system	automatic - Reflex Level System	automatic - Reflex Level System
Display	10" touchscreen	10" touchscreen
Delivery components	Ultra-microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, anti-draft shield, pincette, brush, fabric dust cover.	Ultra-microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, anti-draft shield, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø90×90 mm	ø90×90 mm
Weighing pan dimensions	ø16 mm	ø16 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm
Net weight	9,1 kg	9,1 kg
Gross weight	16,6 kg	16,6 kg
<b>Communication interface</b>		
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, 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*	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	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)
Relative humidity	40% – 80%	40% – 80%
Relative humidity change rate	±1%/h (±4%/8h)	±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  
Protective cover for balances  
Barcode scanners  
Power Adapters  
Label Printers

Chamber for filter weighing  
THBR 2.0 System - Ambient Conditions Monitoring  
Weighing dishes  
Receipt Printer  
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

## Device dimensions

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