



More information on the website
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 WL-109-0001	UYA 6.5Y Ultra-Microbalance WL-109-0002
Metrological parameters		
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	1×10 ⁻⁶ /Year×Rt	1×10 ⁻⁶ /Year×Rt
Stabilization time	10 - 20 s	10 - 20 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	I	I
Physical parameters		
Leveling system	automatic – Reflex Level System	automatic – Reflex Level System
Display	10" graphic colour touchscreen	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.	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	ø 90×90 mm
Weighing pan dimensions	ø16 mm	ø16 mm
Anti-draft chamber dimensions	560×350×252 mm	560×350×252 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm
Net weight	9,1 kg	9,1 kg
Gross weight	16,5 kg	16,5 kg
Construction		
Protection class	IP 43	IP 43
Communication interface		
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	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*	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	+10 – +40 °C
Operating temperature change rate	±0,3 °C / 1 h (±1 °C / 8 h)	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)	±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.



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 System
Label Editor R02
R-LAB
RADWAG Development Studio

RAD-KEY
RADWAG Remote Desktop
Scales Editor 2.1

Device dimensions

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