



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	UYA 6.5Y Ultra-Microbalance
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 scale interval [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" 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	655×755×445 mm	655×755×445 mm
Net weight	9,1 kg	9,1 kg
Gross weight	16,6 kg	16,6 kg
Communication interface		
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, 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*	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/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
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

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

