



UYA 6.5Y Ultra-Microbalance






















WL-109-0002

More information on the website
radwag.com/en/info,w1,36D



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

Metrological parameters

Maximum capacity [Max]	6.1 g
Minimum load	0.01 mg

Metrological parameters	
Readability [d]	0.1 µg
Verification unit [e]	1 mg
Tare range	-6.1 g
Standard repeatability [5% Max]	0.2 µg
Standard repeatability [Max]	0.45 µg
Standard minimum weight (USP)	0.4 mg
Standard minimum weight (U=1%, k=2)	0.04 mg
Permissible repeatability [5% Max]	0.4 µg
Permissible repeatability [Max]	0.8 µg
Linearity	±1.5 µg
Eccentric load deviation	1.5 µg
Sensitivity time drift	1×10 ⁻⁶ /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 shield, glass lid, power supply, anti-draft shield, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 90×90 mm
Weighing pan dimensions	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
Construction	
Protection class	IP 43
Communication interface	
Communication interface	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*
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.

Accessories (Additional Fee)

- | | |
|-------------------------------|---|
| MediaBox | RS 232, RS 485 cables |
| RFID Tags | Label Printers |
| Antivibration Tables | Chamber for filter weighing |
| Power Adapters | THBR 2.0 System - Ambient Conditions Monitoring |
| Additional modules | RS 232, RS 485 cables |
| Professional Weighing Tables | Weighing dishes |
| Antistatic ionizer | Receipt Printer |
| Protective cover for balances | Fingerprint Reader |
| Barcode scanners | Protective cover for balances |

Software (Additional Fee)

- | | |
|---------------------------------------|---|
| • E2R Weighing [WX-010-0099] | • E2R Weighing Records [WX-010-0038] |
| • RAD Key [WX-010-0005] | • Label Editor R02 [WX-010-0094] |
| • RADWAG Remote Desktop [WX-010-0107] | • R-Lab [WX-010-0080] |
| • Scale Editor 2.1 [WX-010-0173] | • RADWAG Development Studio [WX-010-0104] |

Device dimensions

