



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

UYA 6.5Y 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

Metrological parameters	
Maximum capacity [Max]	6,1 g
Minimum load	0,01 mg

Metrological parameters	
Readability [d]	0,1 µg
Verification scale interval [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	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	10 - 20 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	automatic - Reflex Level System
Display	10" 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	ø90×90 mm
Weighing pan dimensions	ø16 mm
Packaging dimensions	655×755×445 mm
Net weight	9,1 kg
Gross weight	16,6 kg
Communication interface	
Communication interface	USB-A ×2, 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*
Environmental conditions	
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
Chamber for filter weighing

THBR 2.0 System - Ambient Conditions Monitoring
Weighing dishes
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

