radwag.com

**UYA 2.5Y Ultra-Microbalance**

More information on the website
radwag.com/en/info,w1,3L0



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 |
|---|---|
| **Metrological parameters** | |
| **Maximum capacity [Max]** | 2,1 g |
| **Minimum load** | 0,01 mg |
| **Readability [d]** | 0,1 µg |
| **Verification unit [e]** | 1 mg |
| **Tare range** | -2,1 g |
| **Standard repeatability [5% Max]** | 0,15 µg |
| **Standard repeatability [Max]** | 0,35 µg |
| **Standard minimum weight (USP)** | 0,3 mg |
| **Standard minimum weight (U=1%, k=2)** | 0,03 mg |
| **Permissible repeatability [5% Max]** | 0,35 µg |
| **Permissible repeatability [Max]** | 0,6 µg |
| **Linearity** | ±1,5 µg |
| **Eccentric load deviation** | 1,5 µg |
| **Sensitivity time drift** | $1\times10^{-6}$/Year×Rt |
| **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** | 750×492×595 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<br>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 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.

Extra payment for verification

# Accessories

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
Additional modules
Professional weighing table
Protective cover for balances
Barcode scanners
RS 232, RS 485 cables

Label Printers
RS 232, RS 485 cables
Chamber for filter weighing
THBR 2.0 System - Ambient Conditions Monitoring
Weighing dishes
Receipt Printer
Fingerprint Reader
Protective cover for balances

# 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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