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[radwag.com/en/info,w1,CPD](http://radwag.com/en/info,w1,CPD)

# UYA 2.4Y PLUS Ultra-Microbalance



## Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  GLP Procedures
-  Animal weighing
-  Air density correction
-  Automatic sliding door
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  Wi-Fi

## Datasheet

Metrological parameters	
Maximum capacity [Max]	2,1 g
Minimum load	10 µg
Readability [d]	0,1 µg
Tare range	-2,1 g

<b>Metrological parameters</b>	
Verification scale interval [e]	1 mg
Standard repeatability [5% Max]	0,15 µg
Standard repeatability [Max]	0,35 µg
Permissible repeatability [5% Max]	0,35 µg
Permissible repeatability [Max]	0,6 µg
Linearity	±1,5 µg
Eccentric load deviation	1,5 µg
Sensitivity offset	$1,5 \times 10^{-6} \times R_t$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	10 - 20 s
Adjustment	internal (automatic)
OIML Class	I
Standard minimum weight (USP)	0,3 mg
Standard minimum weight (U=1%, k=2)	0,03 mg
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
<b>Physical parameters</b>	
Levelling system	automatic - Reflex Level System
Display	5,7" resistive colour touchscreen
Weighing chamber dimensions	ø90×90 mm
Weighing pan dimensions	ø16 mm
Packaging dimensions	660×660×455 mm
Net weight	9,1 kg
Gross weight	16,6 kg
<b>Communication interface</b>	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
<b>Electrical parameters</b>	
Power supply	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	10 W
<b>Environmental conditions</b>	
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)

Repeatability is expressed as a standard deviation from 10 weighing cycles.

Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



## Accessories

Receipt Printer  
Granite Antivibration Tables  
Barcode scanners  
Label Printers  
Power Adapters  
Antistatic ionizer  
USB Hubs  
Antivibration Tables for Laboratory Balances

Chamber for filter weighing  
THBR 2.0 System - Ambient Conditions Monitoring  
Protective cover for balances  
RS 232, RS 485 cables  
RS 232 – USB Converter  
Displays  
RS 232 cables (scale - EPSON printer)

## Software

RAD-KEY  
LabVIEW Driver  
Label Editor R02  
R-LAB  
E2R System

Audit Trail Reader  
RADWAG Connect  
RADWAG Remote Desktop  
RADWAG Development Studio  
R.Barcode

## Device dimensions

