





















More information on the website
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

Metrological parameters	
Linearity	$\pm 1,5 \mu\text{g}$
Eccentric load deviation	1,5 μg
Sensitivity offset	$1,5 \times 10^{-6} \times \text{Rt}$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	10 - 20 s
Adjustment	internal (automatic)
OIML Class	I
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
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
Physical parameters	
Display	5,7" resistive colour touchscreen
Weighing chamber dimensions	$\varnothing 90 \times 90$ mm
Weighing pan dimensions	$\varnothing 16$ mm
Packaging dimensions	660 \times 660 \times 455 mm
Net weight	9,1 kg
Gross weight	16,6 kg
Communication interface	
Communication interface	2 \times RS232, 2 \times USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters	
Power supply	100 \div 240 V AC 50 / 60 Hz
Power consumption max.	10 W
Environmental conditions	
Operating temperature	+10 \div +40 $^\circ\text{C}$
Operating temperature change rate	$\pm 0,3^\circ\text{C}/1\text{h}$ ($\pm 1^\circ\text{C}/8\text{h}$)
Relative humidity	40% \div 80%
Relative humidity change rate	$\pm 1\%/h$ ($\pm 4\%/8\text{h}$)

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



Accessories

Receipt Printer
Granite Antivibration Tables
Barcode scanners
Label Printers
Power Adapters

THBR 2.0 System - Ambient Conditions Monitoring
Antivibration Tables for Laboratory Balances
Protective cover for balances
RS 232, RS 485 cables
RS 232 – USB Converter

Antistatic ionizer
USB Hubs
Chamber for filter weighing

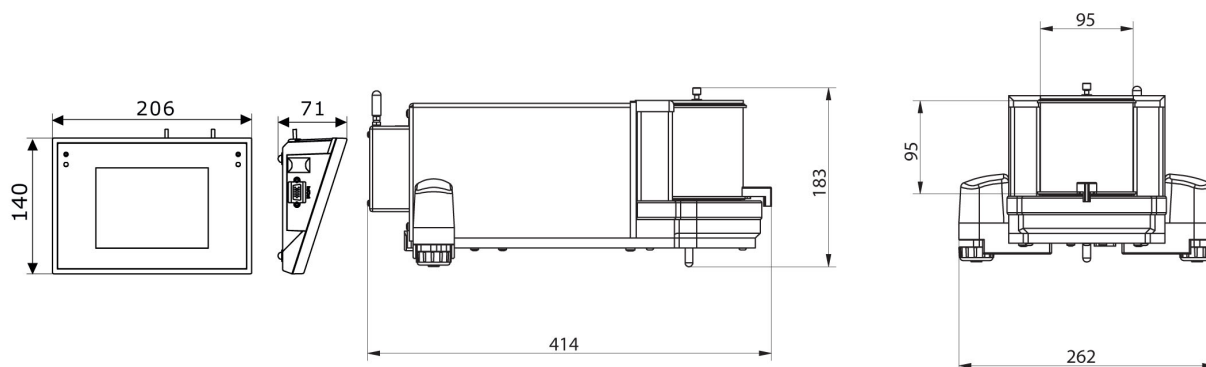
Displays
RS 232 cables (scale - EPSON printer)

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























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radwag.com/en/info,w1,UCM

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Datasheet

Metrological parameters	
Maximum capacity [Max]	6,1 g
Minimum load	10 µg
Readability [d]	0,1 µg
Tare range	-6,1 g

Metrological parameters	
Linearity	±1,5 µg
Eccentric load deviation	1,5 µg
Stabilization time	10 - 20 s
Adjustment	internal (automatic)
OIML Class	I
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
Physical parameters	
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
Communication interface	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters	
Power supply	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	10 W
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)

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