



More information on the website
radwag.com/en/info,w1,1TO

UYA 2.4Y.F.A 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
	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	
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	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
Physical parameters	
Levelling system	automatic - Reflex Level System
Display	5,7" resistive colour touchscreen
Weighing chamber dimensions	Ø 93,8×35 mm
Weighing pan dimensions	Ø70 + Ø16 mm
Packaging dimensions	660×660×455 mm
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 ÷ +30 °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

THBR 2.0 System - Ambient Conditions Monitoring
Protective cover for balances
RS 232, RS 485 cables

Label Printers
Power Adapters
Antistatic ionizer
USB Hubs
Antivibration Tables for Laboratory Balances

RS 232 – USB Converter
Displays
RS 232 cables (scale - EPSON printer)
Filter Chamber Tray

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

