radwag.com

MYA 21.4Y.P PLUS Microbalance

More information on the website
radwag.com/en/info,w1,R5D



The drawings, photos and graphics used are for illustrative purposes only.

Functions

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

Datasheet

Metrological parameters	
Maximum capacity [Max]	21 g
Minimum load	100 µg
Readability [d]	1 µg
Verification unit [e]	1 mg

Metrological parameters	
Tare range	-21 g
Standard repeatability [5% Max]	1 µg
Standard repeatability [Max]	3 µg
Standard minimum weight (USP)	2 mg
Standard minimum weight (U=1%, k=2)	0.2 mg
Permissible repeatability [5% Max]	1.6 µg
Permissible repeatability [Max]	4 µg
Linearity	±7 µg
Eccentric load deviation	7 µg
Sensitivity offset	$4\times10^{-6}\times Rt$
Sensitivity time drift	$1\times10^{-6}/Year\times Rt$
Stabilization time	max 10 s
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	$1\times10^{-6}/°C\times Rt$
Physical parameters	
Leveling system	automatic - Reflex Level System
Display	5.7” resistive colour touchscreen
Weighing chamber doors	automatic
Delivery components	Microbalance, terminal, weighing pan, weighing pan shield, glass vessel, evaporation ring, glass lid, additional glass lid, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø90×90 mm
Weighing pan dimensions	ø26 mm
Packaging dimensions	750×492×595 mm
Net weight	9.1 kg
Gross weight	16.6 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.1A 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)

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.
Use of the pipette calibration adapter reduces maximum capacity of the balance by the mass of the weighing vessel.

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

Extra payment for verification

Accessories

Automatic Variable-Volume Pipettes
RS 232, RS 485 cables
Workstation for Pipettes Calibration
Label Printers

Chamber for filter weighing
RS 232, RS 485 cables
RS 232 – USB Converter
Professional Weighing Tables

Software

- RAD Key [WX-010-0005]
- R-Lab [WX-010-0080]
- R-Pipettes [WX-010-0026]
- RADWAG Development Studio [WX-010-0104]

Device dimensions

