



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

MYA 21.4Y.P PLUS Microbalance



Functions

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

Datasheet

Metrological parameters

Maximum capacity [Max]	21 g
Minimum load	100 µg
Readability [d]	1 µg
Tare range	-21 g

Metrological parameters	
Verification scale interval [e]	1 mg
Standard repeatability [5% Max]	1 µg
Standard repeatability [Max]	3 µg
Permissible repeatability [5% Max]	1,6 µg
Permissible repeatability [Max]	4 µg
Linearity	±7 µg
Eccentric load deviation	7 µg
Sensitivity offset	$4 \times 10^{-6} \times R_t$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	max 10 s
Adjustment	internal (automatic)
OIML Class	I
Standard minimum weight (USP)	2 mg
Standard minimum weight (U=1%, k=2)	0,2 mg
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
Protection class	IP 43
Physical parameters	
Levelling system	automatic - Reflex Level System
Display	5,7" resistive colour touchscreen
Weighing chamber dimensions	ø90×90 mm
Weighing pan dimensions	ø26 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 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.



Accessories

Receipt Printer
Granite Antivibration Tables
Barcode scanners
Label Printers
Power Adapters
Anti-Draft Chamber for Microbalances
Automatic Variable-Volume Pipettes
Professional weighing table
Antistatic ionizer
Workstation for Pipettes Calibration

„R-Pipettes“ Computer Software
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

