

MYA 21.4Y.P Microbalance





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

Functions



Autotest

Dosing



Percent Weighing



Parts counting



Formulation



Newton unit measurement

GLP Procedures



Statistics



Checkweighing



IR sensors



Differential weighing



Ambient conditions monitoring

Animal weighing



Replaceable unit

Pipettes Calibration



SQC Statistical Quality Control

Air density correction



Wi-Fi

Datasheet

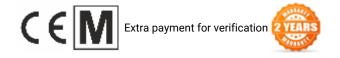
Metrological parameters	
Maximum capacity [Max]	21 g
Minimum load	100 µg
Readability [d]	1 μg
Verification unit [e]	1 mg

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	4×10 ⁻⁶ ×Rt
Sensitivity time drift	1×10 ⁻⁶ /Year×Rt
Stabilization time	max 10 s
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	1×10 ⁻⁶ /°C×Rt
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
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, pow 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	15 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)

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.

 $[\]mbox{\ensuremath{^{\star}}}\mbox{\ensuremath{Wi-Fi}}\mbox{\ensuremath{^{\otimes}}}\mbox{\ensuremath{a}}\mbox{\ensuremath{$



Accessories

Automatic Variable-Volume Pipettes RS 232, RS 485 cables Workstation for Pipettes Calibration Label Printers Chamber for filter weighing Antivibration Tables 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

