XA 21/52.5Y.M.A.P Microbalance

WL-112-1001

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

Functions

- Autotest
- IR sensors
- Automatic sliding door
- Replaceable unit

- Percent Weighing
- GLP Procedures
- Moveable range
- Statistical Quality Control

- Peak hold
- Pipettes Calibration
- Differential weighing
- ALIBI Memory

- Statistics
- Air density correction
- Ambient conditions monitoring
- Wi-Fi

Datasheet

Metrological parameters	
Maximum capacity [Max]	21 / 52 g
Minimum load	0.1 mg
Readability [d]	1 / 5 µg
Verification unit [e]	1 mg
Tare range	-52 g
Standard repeatability [5% Max]	1.5 µg

Metrological parameters	
Standard repeatability [Max]	6 µg
Standard minimum weight (USP)	3 mg
Standard minimum weight (U=1%, k=2)	0.3 mg
Permissible repeatability [5% Max]	2.4 µg
Permissible repeatability [Max]	8 µg
Linearity	±20 µg
Eccentric load deviation	20 µg
Sensitivity time drift	$1×10^{-6}$/Year×Rt
Stabilization time	~ 3.5 s
Adjustment	internal (automatic)
OIML Class	I

Physical parameters	
Leveling system	automatic – Reflex Level System
Display	10" graphic colour touchscreen
Weighing chamber doors	automatic
Delivery components	Microbalance, weighing pan, weighing pan shield, power supply, automatic pipette calibration adapter: (base, bottom ring, glass vessel, pipette calibration adapter, evaporation ring, weighing pan, glass lid, mechanical closing cover, protecting screw), brush, fabric dust cover.
Weighing chamber dimensions	199×170×217 mm
Capacity	11 ml
Weighing pan dimensions	ø26 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	14.5 kg
Gross weight	18.9 kg

Construction	
Protection class	IP 43

Communication interface	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot

Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.4A max*

Environmental conditions	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0.3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing.
Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.
* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

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

Accessories (Additional Fee)

MediaBox

RFID Tags

Antivibration Tables

Power Adapters

Protective cover for balances

Additional modules

Anti-Draft Chamber for Microbalances

Automatic Variable-Volume Pipettes

Professional Weighing Tables

Barcode scanners

Workstation for Pipettes Calibration

RS 232, RS 485 cables

Label Printers

THBR 2.0 System - Ambient Conditions Monitoring

Anti-Draft Chamber for XA 4Y and XA 5Y Balances

Antistatic ionizer

Receipt Printer

Fingerprint Reader

RS 232 – USB Converter

Under-pan weighing

Software (Additional Fee)

• E2R Weighing [WX-010-0099]

• R-Pipettes [WX-010-0026]

• RADWAG Remote Desktop [WX-010-0107]

• Scale Editor 2.1 [WX-010-0173]

• RAD Key [WX-010-0005]

• Label Editor R02 [WX-010-0094]

• R-Lab [WX-010-0080]

• RADWAG Development Studio [WX-010-0104]