

























More information on the website
radwag.com/en/info,w1,D7G

XA 22.5Y.M.A.P.Q Microbalance



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

Functions

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

Datasheet

Metrological parameters

Maximum capacity [Max]	22 g
Minimum load	0.1 mg

Metrological parameters	
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-21 g
Standard minimum weight (USP)	2.6 mg
Standard minimum weight (U=1%, k=2)	0.26 mg
Repeatability	0.0007 mg (at 1 g)
Linearity	0.0007 mg
Eccentric load deviation	15 µg
Sensitivity offset	0.05 mg (at 20 g)
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
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	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, 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/1h (±1°C/8h)
Relative humidity	40% – 80%
Relative humidity change rate	±1%/h (±4%/8h)

* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Pipette verification range: 1 – 100 µl

Status indicator Light: Balance will have Light indication for various status of balance like Ok, calibration over due, levelling error and other such warnings.

Display: 10" color touchscreen (glove compatible*)

Temperature Control of Weighing Chamber: Balance weighing cell chamber is equipped with temperature control mechanism to control temperature of weighing cell chamber by removing heat generated by electronics.

User Management: Balance allows to define user and users groups. User Management such as setting password, user rights, user groups rights should be allowed to configure. Balance allows to create more than 50 users with credentials (Password)

Internal Adjustment: Time and Temperature based adjustment with internal weights

Level Adjustment Guide: Balance provides level warning in case of out of level and should not allow user to add result to protocol if balance is not levelled. Graphical level bubble is provided for levelling

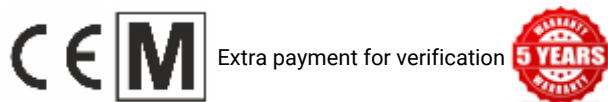
Capacity of evaporation tank: 10 ml

Evaporation Trap: Motor Driven removable Evaporation trap

Touchless operation: Light barrier will be provided for touch less operation of evaporation trap door

* Experimentally tested with most common thin rubber gloves used at the laboratories.

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



Accessories

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
Protective cover for balances
Barcode scanners

Workstation for Pipettes Calibration
RS 232, RS 485 cables
Label Printers
RS 232, RS 485 cables
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

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- E2R Weighing Records [WX-010-0038]
- R-Pipettes [WX-010-0026]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

Device dimensions

