



XA 6/21.5Y.M.A.P Microbalance, XA 21.5Y.M.A.P Microbalance, XA 53.5Y.M.A.P Microbalance, XA 21/52.5Y.M.A.P Microbalance, XA 52.5Y.M.A.P Microbalance

More information on the website
radwag.com/en/info,w1,07W



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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



Moveable range:
- XA 6/21.5Y.M.A.P
Microbalance

Datasheet

	XA 6/21.5Y.M.A.P Microbalance	XA 21/52.5Y.M.A.P Microbalance	XA 21.5Y.M.A.P Microbalance
Metrological parameters			
Maximum capacity [Max]	6/21 g	21/52 g	21 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1/2 µg	1/5 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-21 g	-52 g	-21 g
Standard repeatability [5% Max]	1,3 µg	1,5 µg	1,3 µg
Standard repeatability [Max]	3,5 µg	6 µg	3,5 µg
Standard minimum weight (USP)	2,6 mg	3 mg	2,6 mg
Standard minimum weight (U=1%, k=2)	0,26 mg	0,3 mg	0,26 mg
Permissible repeatability [5% Max]	2 µg	2,4 µg	2 µg
Permissible repeatability [Max]	5 µg	8 µg	5 µg
Linearity	±9 µg	±20 µg	±9 µg
Eccentric load deviation	15 µg	20 µg	15 µg
Sensitivity time drift	1×10 ⁻⁶ /Year×Rt	1×10 ⁻⁶ /Year×Rt	1×10 ⁻⁶ /Year×Rt
Stabilization time	~3,5 s	~3,5 s	~3,5 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	I	I	I
Physical parameters			
Leveling system	automatic - Reflex Level System	automatic - Reflex Level System	automatic - Reflex Level System
Display	10" touchscreen	10" touchscreen	10" touchscreen
Weighing chamber doors	automatic	automatic	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.	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.	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	199×170×217 mm	199×170×217 mm
Weighing pan dimensions	ø26 mm	ø26 mm	ø26 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	14,5 kg	14,5 kg	14,5 kg
Gross weight	18,9 kg	18,9 kg	18,9 kg
Communication interface			
Communication interface	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A ×2, 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*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*	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	+10 – +40 °C	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)
Relative humidity change rate	±1%/h (±4%/8h)	±1%/h (±4%/8h)	±1%/h (±4%/8h)

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

Datasheet

	XA 52.5Y.M.A.P Microbalance	XA 53.5Y.M.A.P Microbalance
Metrological parameters		
Maximum capacity [Max]	52 g	53 g
Minimum load	0,5 mg	0,1 mg
Readability [d]	5 µg	1 µg
Verification unit [e]	1 mg	1 mg
Tare range	-52 g	-53 g
Standard repeatability [5% Max]	2,2 µg	1,5 µg
Standard repeatability [Max]	6 µg	6 µg
Standard minimum weight (USP)	4,4 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,44 mg	0,3 mg
Permissible repeatability [5% Max]	3,4 µg	2,4 µg
Permissible repeatability [Max]	8 µg	8 µg
Linearity	±20 µg	±20 µg
Eccentric load deviation	20 µg	20 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	~3,5 s	~3,5 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	I	I
Physical parameters		
Leveling system	automatic - Reflex Level System	automatic - Reflex Level System
Display	10" touchscreen	10" touchscreen
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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.	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.
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Environmental conditions		
Operating temperature	+10 – +40 °C	+10 – +40 °C
Operating temperature change rate	±0,3°C/1h (±1°C/8h)	±0,3°C/1h (±1°C/8h)
Relative humidity change rate	±1%/h (±4%/8h)	±1%/h (±4%/8h)

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

Accessories

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
Protective cover for balances
Barcode scanners
Additional modules
Anti-Draft Chamber for Microbalances
Automatic Variable-Volume Pipettes
Professional weighing table
Protective cover for balances

Workstation for Pipettes Calibration
USB Hubs
Label Printers
RS 232, RS 485 cables
THBR 2.0 System - Ambient Conditions Monitoring
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
RS 232, RS 485 cables
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Under-pan weighing

Software

RAD-KEY
R-Pipettes
Label Editor R02
R-LAB
RADWAG Development Studio

Audit Trail Reader
LabVIEW Driver
RADWAG Remote Desktop
Scales Editor 2.1
R.Barcode

Device dimensions

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