



XA 6.5Y.M.A Microbalance, XA 21/52.5Y.M.A Microbalance, XA 6/21.5Y.M.A Microbalance, XA 53.5Y.M.A Microbalance, XA 21.5Y.M.A Microbalance, XA 52.5Y.M.A Microbalance

More information on the website
radwag.com/en/info,w1,7D8



XA 6.5Y.M.A Microbalance
 XA 21/52.5Y.M.A Microbalance
 XA 6/21.5Y.M.A Microbalance
 XA 53.5Y.M.A Microbalance
 XA 21.5Y.M.A Microbalance
 XA 52.5Y.M.A 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 | | |
| Moveable range:
- XA 6/21.5Y.M.A
Microbalance | | | |

Datasheet

	XA 6/21.5Y.M.A Microbalance	XA 6.5Y.M.A Microbalance	XA 21/52.5Y.M.A Microbalance
Metrological parameters			
Maximum capacity [Max]	6/21 g	6,1 g	21/52 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1/2 µg	1 µg	1/5 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-21 g	-6,1 g	-52 g
Standard repeatability [5% Max]	1,3 µg	0,8 µg	1,5 µg
Standard repeatability [Max]	3,5 µg	2,5 µg	6 µg
Standard minimum weight (USP)	2,6 mg	1,6 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,26 mg	0,16 mg	0,3 mg
Permissible repeatability [5% Max]	2 µg	1,5 µg	2,4 µg
Permissible repeatability [Max]	5 µg	3 µg	8 µg
Linearity	±9 µg	±7 µg	±20 µg
Eccentric load deviation	15 µg	7 µg	20 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
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" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing chamber doors	automatic	automatic	automatic
Delivery components	Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover.	Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover.	—
Weighing chamber dimensions	199×170×217 mm	199×170×217 mm	199×170×217 mm
Weighing pan dimensions	ø30 mm	ø30 mm	ø30 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	20 kg	18,9 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	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*	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	40% – 80%	40% – 80%	40% – 80%
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 21.5Y.M.A Microbalance	XA 52.5Y.M.A Microbalance	XA 53.5Y.M.A Microbalance
Metrological parameters			
Maximum capacity [Max]	21 g	52 g	53 g
Minimum load	0,1 mg	0,5 mg	0,1 mg
Readability [d]	1 µg	5 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-21 g	-52 g	-53 g
Standard repeatability [5% Max]	1,3 µg	2,2 µg	1,5 µg
Standard repeatability [Max]	3,5 µg	6 µg	6 µg
Standard minimum weight (USP)	2,6 mg	4,4 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,26 mg	0,44 mg	0,3 mg
Permissible repeatability [5% Max]	2 µg	3,4 µg	2,4 µg
Permissible repeatability [Max]	5 µg	8 µg	8 µg
Linearity	±9 µg	±20 µg	±20 µg
Eccentric load deviation	15 µg	20 µg	20 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
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" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing chamber doors	automatic	automatic	automatic
Delivery components	–	Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover.	Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover.
Weighing chamber dimensions	199×170×217 mm	199×170×217 mm	199×170×217 mm
Weighing pan dimensions	ø30 mm	ø30 mm	ø30 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
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	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*	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	40% – 80%	40% – 80%	40% – 80%
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.

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

Accessories

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
Protective cover for balances
RS 232, RS 485 cables
Additional modules
Anti-Draft Chamber for Microbalances
Professional Weighing Tables
Protective cover for balances
Barcode scanners
Automatic feeders
MICRO-KIT - Set of Holders for Microscale Glassware

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

Software

E2R System
Label Editor R02
R-LAB
RADWAG Development Studio

RAD-KEY
RADWAG Remote Desktop
Scales Editor 2.1

Device dimensions

XA 6.5Y.M.A Microbalance, XA 21/52.5Y.M.A Microbalance, XA 6/21.5Y.M.A Microbalance, XA 53.5Y.M.A Microbalance, XA 21.5Y.M.A Microbalance, XA 52.5Y.M.A Microbalance

