



More information on the website
radwag.com/en/info,w1,K7E

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



XA 52.5Y.M Microbalance
XA 6.5Y.M Microbalance
XA 21/52.5Y.M Microbalance
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XA 21.5Y.M Microbalance
XA 6/21.5Y.M 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



Density determination



Differential weighing



Ambient conditions
monitoring



Statistical Quality Control



Packaged Goods Control



ALIBI Memory



Wi-Fi



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

Datasheet

	XA 6.5Y.M Microbalance	XA 6/21.5Y.M Microbalance	XA 21/52.5Y.M Microbalance
Metrological parameters			
Maximum capacity [Max]	6,1 g	6/21 g	21/52 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1 µg	1/2 µg	1/5 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-6,1 g	-21 g	-52 g
Standard repeatability [5% Max]	0,8 µg	1,3 µg	1,5 µg
Standard repeatability [Max]	2,5 µg	3,5 µg	6 µg
Standard minimum weight (USP)	1,6 mg	2,6 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,16 mg	0,26 mg	0,3 mg
Permissible repeatability [5% Max]	1,5 µg	2 µg	2,4 µg
Permissible repeatability [Max]	3 µg	5 µg	8 µg
Linearity	±7 µg	±9 µg	±20 µg
Eccentric load deviation	7 µg	15 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	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
Protection class	IP 43	IP 43	IP 43
Delivery components	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.
Weighing chamber dimensions	168×160×228 mm	168×160×228 mm	168×160×228 mm
Weighing pan dimensions	ø30 mm	ø30 mm	ø30 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm	435 x 885 x 540 mm
Net weight	9,8 kg	9,8 kg	9,8 kg
Gross weight	14,3 kg	14,3 kg	14,3 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	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 Microbalance	XA 52.5Y.M Microbalance	XA 53.5Y.M 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	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
Protection class	IP 43	IP 43	IP 43
Delivery components	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.
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Net weight	9,8 kg	9,8 kg	9,8 kg
Gross weight	16 kg	14,3 kg	14,3 kg
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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	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

Barcode scanners
Holders for laboratory flasks
Holders for test tubes and filters
Professional weighing table
Protective cover for balances
Power Adapters
Automatic feeders
MICRO-KIT - Set of Holders for Microscale Glassware
USB Hubs
Label Printers

THBR 2.0 System - Ambient Conditions Monitoring
Adapter for Pipette Calibration
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Weighing dishes
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
RS 232, RS 485 cables
Under-pan weighing

Software

RAD-KEY
LabVIEW Driver
RADWAG Remote Desktop
Scales Editor 2.1
R.Barcode

Audit Trail Reader
Label Editor R02
R-LAB
RADWAG Development Studio

Device dimensions

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

