



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

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
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 XA 21.5Y.M Microbalance
 XA 6/21.5Y.M Microbalance

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

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 scale interval [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			
Levelling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
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	435 x 885 x 540 mm	435 x 885 x 540 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 x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*	Adapter: 100 or 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 scale interval [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			
Levelling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" touchscreen
Weighing chamber dimensions	168×160×228 mm	168×160×228 mm	168×160×228 mm
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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 x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*	Adapter: 100 or 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max*	Adapter: 100 or 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

Antivibration Tables
Barcode scanners
Professional weighing table
MICRO-KIT - Set of Holders for Microscale Glassware
USB Hubs
Label Printers

THBR 2.0 System - Ambient Conditions Monitoring
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Fingerprint Reader
RS 232 – USB Converter
RS 232, RS 485 cables

Software

RAD-KEY
LabVIEW Driver
RADWAG Remote Desktop
RADWAG Development Studio

Audit Trail Reader
Label Editor R02
R-LAB
R.Barcode

Device dimensions

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