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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,w1,0SG

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

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

	XA 6.5Y.M.A Microbalance	XA 6/21.5Y.M.A Microbalance	XA 21/52.5Y.M.A 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	1×10^{-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 dimensions	199×170×217 mm	199×170×217 mm	199×170×217 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	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	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 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	1×10^{-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 dimensions	199×170×217 mm	199×170×217 mm	199×170×217 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	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	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.

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
Scales Editor 2.1
R.Barcode

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

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