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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
XA 53.5Y.M Microbalance
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 WL-109-0019	**XA 6/21.5Y.M Microbalance** WL-109-1006	**XA 21.5Y.M Microbalance** WL-109-0020
Metrological parameters			
Maximum capacity [Max]	6,1 g	6 / 21 g	21 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1 µg	1 / 2 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-6,1 g	-21 g	-21 g
Standard repeatability [5% Max]	0,8 µg	1,3 µg	1,3 µg
Standard repeatability [Max]	2,5 µg	3,5 µg	3,5 µg
Standard minimum weight (USP)	1,6 mg	2,6 mg	2,6 mg
Standard minimum weight (U=1%, k=2)	0,16 mg	0,26 mg	0,26 mg
Permissible repeatability [5% Max]	1,5 µg	2 µg	2 µg
Permissible repeatability [Max]	3 µg	5 µg	5 µg
Linearity	±7 µg	±9 µg	±9 µg
Eccentric load deviation	7 µg	15 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	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing chamber doors	manual	manual	manual
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 W x D x H	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	9,8 kg	9,8 kg	9,8 kg
Gross weight	14,3 kg	14,3 kg	16 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), 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 / 1 h (±1 °C / 8 h)	±0,3 °C / 1 h (±1 °C / 8 h)	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%	40% – 80%	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)	±1% / h (±4% / 8 h)	±1% / h (±4% / 8 h)

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time dependson the ambient

conditions and the dynamics of weighing pan loading; specified for FAST profile. * The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Datasheet

	XA 21/52.5Y.M Microbalance WL-109-1007	**XA 52.5Y.M Microbalance** WL-109-0021	**XA 53.5Y.M Microbalance** WL-109-0022
Metrological parameters			
Maximum capacity [Max]	21 / 52 g	52 g	53 g
Minimum load	0,1 mg	0,5 mg	0,1 mg
Readability [d]	1 / 5 µg	5 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-52 g	-52 g	-53 g
Standard repeatability [5% Max]	1,5 µg	2,2 µg	1,5 µg
Standard repeatability [Max]	6 µg	6 µg	6 µg
Standard minimum weight (USP)	3 mg	4,4 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,3 mg	0,44 mg	0,3 mg
Permissible repeatability [5% Max]	2,4 µg	3,4 µg	2,4 µg
Permissible repeatability [Max]	8 µg	8 µg	8 µg
Linearity	±20 µg	±20 µg	±20 µg
Eccentric load deviation	20 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	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing chamber doors	manual	manual	manual
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 W x D x H	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	9,8 kg	9,8 kg	9,8 kg
Gross weight	14,3 kg	14,3 kg	14,3 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), 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 / 1 h (±1 °C / 8 h)	±0,3 °C / 1 h (±1 °C / 8 h)	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%	40% – 80%	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)	±1% / h (±4% / 8 h)	±1% / h (±4% / 8 h)

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time dependson the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. * 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.

Additional fee for verification

Accessories (Additional Fee)

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
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
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
RS 232, RS 485 cables
Protective cover for balances
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 (Additional Fee)

E2R System
Label Editor R02
R-LAB
RADWAG Development Studio
RAD-KEY
RADWAG Remote Desktop
Scales Editor 2.1

Device dimensions W x D x H

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