



MYA 5.5Y Microbalance, MYA 11/52.5Y Microbalance, MYA 2.5Y Microbalance, MYA 21/52.5Y Microbalance, MYA 11.5Y Microbalance, MYA 31.5Y Microbalance, MYA 6.5Y Microbalance, MYA 0.8/3.5Y Microbalance, MYA 21.5Y Microbalance

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



MYA 5.5Y Microbalance
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 MYA 21.5Y 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:
 - MYA 0.8/3.5Y Microbalance

Datasheet

	MYA 0.8/3.5Y Microbalance	MYA 2.5Y Microbalance	MYA 5.5Y Microbalance
Metrological parameters			
Maximum capacity [Max]	0,8/3 g	2,1 g	5,1 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1/10 µg	1 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-3 g	-2,1 g	-5,1 g
Standard repeatability [5% Max]	0,6 µg	0,41 µg	0,6 µg
Standard repeatability [Max]	4,1 µg	1 µg	1,6 µg
Standard minimum weight (USP)	1,2 mg	0,82 mg	1,2 mg
Standard minimum weight (U=1%, k=2)	0,12 mg	0,082 mg	0,12 mg
Permissible repeatability [5% Max]	1,2 µg	0,8 µg	1,2 µg
Permissible repeatability [Max]	6 µg	1,5 µg	2,4 µg
Linearity	±3/10 µg	±3 µg	±3 µg
Eccentric load deviation	3/10 µg	3 µg	5 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	max 8 s	max 8 s	max 8 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, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø90×90 mm	ø90×90 mm	ø90×90 mm
Weighing pan dimensions	ø16 + ø60 mm	ø16 mm	ø26 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	9,1 kg	9,1 kg	9,1 kg
Gross weight	16,6 kg	16,5 kg	16 kg
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

	MYA 6.5Y Microbalance	MYA 11.5Y Microbalance	MYA 11/52.5Y Microbalance
Metrological parameters			
Maximum capacity [Max]	6 g	11 g	11/52 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1 µg	1 µg	1/10 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-6 g	-11 g	-52 g
Standard repeatability [5% Max]	0,6 µg	0,9 µg	1,5 µg
Standard repeatability [Max]	1,6 µg	2,5 µg	10 µg
Standard minimum weight (USP)	1,2 mg	1,8 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,12 mg	0,18 mg	0,3 mg
Permissible repeatability [5% Max]	1,2 µg	1,6 µg	2,7 µg
Permissible repeatability [Max]	2,4 µg	3,5 µg	15 µg
Linearity	±5 µg	±6 µg	±10/30 µg
Eccentric load deviation	5 µg	6 µg	6/10 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	max 8 s	max 10 s	max 10 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, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø90×90 mm	ø90×90 mm	ø90×90 mm
Weighing pan dimensions	ø26 mm	ø26 mm	ø26 + ø40 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	9,1 kg	9,1 kg	10 kg
Gross weight	15,5 kg	15,5 kg	16,6 kg
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

	MYA 21.5Y Microbalance	MYA 21/52.5Y Microbalance	MYA 31.5Y Microbalance
Metrological parameters			
Maximum capacity [Max]	21 g	21/52 g	31 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1 µg	1/10 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-21 g	-52 g	-31 g
Standard repeatability [5% Max]	1 µg	1,5 µg	1,2 µg
Standard repeatability [Max]	3 µg	10 µg	4,5 µg
Standard minimum weight (USP)	2 mg	3 mg	2,4 mg
Standard minimum weight (U=1%, k=2)	0,2 mg	0,3 mg	0,24 mg
Permissible repeatability [5% Max]	1,6 µg	2,7 µg	2,5 µg
Permissible repeatability [Max]	4 µg	15 µg	6,5 µg
Linearity	±7 µg	±10/30 µg	±8 µg
Eccentric load deviation	7 µg	6/10 µg	8 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	max 10 s	max 10 s	max 10 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, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø90×90 mm	ø90×90 mm	ø90×90 mm
Weighing pan dimensions	ø26 mm	ø26 + ø40 mm	ø26 mm
Packaging dimensions	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	9,1 kg	10,17 kg	9,1 kg
Gross weight	15,5 kg	16,6 kg	15,5 kg
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
 Adapters for Pipettes Calibration
 Additional modules
 Anti-Draft Chamber for Microbalances
 Professional Weighing Tables
 Antistatic ionizer
 Protective cover for balances

Barcode scanners
 RS 232, RS 485 cables
 RS 232, RS 485 cables
 THBR 2.0 System - Ambient Conditions Monitoring
 Weighing dishes
 Receipt Printer
 Fingerprint Reader
 Protective cover for balances
 RS 232 – USB Converter

Software

E2R System
 Label Editor R02
 R-LAB
 RADWAG Development Studio

RAD-KEY
 RADWAG Remote Desktop
 Scales Editor 2.1

Device dimensions

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