MYA 5.4Y PLUS Microbalance, MYA 0.8/3.4Y PLUS Microbalance, MYA 11.4Y PLUS Microbalance, MYA 6.4Y PLUS Microbalance, MYA 2.4Y PLUS Microbalance, MYA 31.4Y PLUS Microbalance, MYA 11/52.4Y PLUS Microbalance, MYA 21/52.4Y PLUS Microbalance, MYA 21.4Y PLUS Microbalance

More information on the website
radwag.com/en/info,w1,2U2

MYA 5.4Y PLUS Microbalance
MYA 0.8/3.4Y PLUS Microbalance
MYA 11.4Y PLUS Microbalance
MYA 6.4Y PLUS Microbalance
MYA 2.4Y PLUS Microbalance
MYA 31.4Y PLUS Microbalance
MYA 11/52.4Y PLUS Microbalance
MYA 21/52.4Y PLUS Microbalance
MYA 21.4Y PLUS Microbalance

The drawings, photos and graphics used are for illustrative purposes only.

Datasheet

	MYA 0.8/3.4Y PLUS Microbalance WL-101-1061	**MYA 2.4Y PLUS Microbalance** WL-101-0413	**MYA 5.4Y PLUS Microbalance** WL-101-0203
Metrological parameters			
Maximum capacity [Max]	0,8 / 3 g	2,1 g	5,1 g
Minimum load	100 µg	100 µg	100 µg
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	±5 µg
Eccentric load deviation	3 / 10 µg	3 µg	5 µg
Sensitivity offset	$1{,}5\times10^{-6}\times$Rt	$1{,}5\times10^{-6}\times$Rt	$1{,}5\times10^{-6}\times$Rt
Sensitivity time drift	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt	1×10^{-6}/Year×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	5,7” Resistive Color Touchscreen	5,7” Resistive Color Touchscreen	5,7” Resistive Color Touchscreen
Weighing chamber doors	automatic	automatic	automatic
Delivery components	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 90×90 mm	ø 90×90 mm	ø 90×90 mm
Weighing pan dimensions	ø16 + ø60 (for filters) 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	16,6 kg	16,6 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A 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 weighing cycles. Stabilization time depends on the ambient conditions and the

dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	MYA 6.4Y PLUS Microbalance WL-101-0204	**MYA 11/52.4Y PLUS Microbalance** WL-101-1060	**MYA 11.4Y PLUS Microbalance** WL-101-0205
Metrological parameters			
Maximum capacity [Max]	6,1 g	11 / 52 g	11 g
Minimum load	100 µg	100 µg	100 µg
Readability [d]	1 µg	1 / 10 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-6,1 g	-52 g	-11 g
Standard repeatability [5% Max]	0,6 µg	1,5 µg	0,45 µg
Standard repeatability [Max]	1,6 µg	10 µg	2,5 µg
Standard minimum weight (USP)	1,2 mg	3 mg	0,9 mg
Standard minimum weight (U=1%, k=2)	0,12 mg	0,3 mg	0,09 mg
Permissible repeatability [5% Max]	1,2 µg	2,7 µg	1,6 µg
Permissible repeatability [Max]	2,4 µg	15 µg	3,5 µg
Linearity	±5 µg	±10 / 30 µg	±6 µg
Eccentric load deviation	5 µg	6 / 10 µg	6 µg
Sensitivity offset	$1{,}5\times10^{-6}\times Rt$	$3\times10^{-6}\times Rt$	$3\times10^{-6}\times Rt$
Sensitivity time drift	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt	1×10^{-6}/Year×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	5,7” Resistive Color Touchscreen	5,7” Resistive Color Touchscreen	5,7” Resistive Color Touchscreen
Weighing chamber doors	automatic	automatic	automatic
Delivery components	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 90×90 mm	ø 90×90 mm	ø 90×90 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	9,1 kg	9,1 kg
Gross weight	16,6 kg	16,6 kg	16,6 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A 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 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	MYA 21/52.4Y PLUS Microbalance WL-101-1062	**MYA 21.4Y PLUS Microbalance** WL-101-0414	**MYA 31.4Y PLUS Microbalance** WL-101-0206
Metrological parameters			
Maximum capacity [Max]	21 / 52 g	21 g	31 g
Minimum load	100 µg	100 µg	100 µg
Readability [d]	1 / 10 µg	1 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-52 g	-21 g	-31 g
Standard repeatability [5% Max]	1,5 µg	1 µg	1,2 µg
Standard repeatability [Max]	10 µg	3 µg	4,5 µg
Standard minimum weight (USP)	3 mg	2 mg	2,4 mg
Standard minimum weight (U=1%, k=2)	0,3 mg	0,2 mg	0,24 mg
Permissible repeatability [5% Max]	2,7 µg	1,6 µg	2,5 µg
Permissible repeatability [Max]	15 µg	4 µg	6,5 µg
Linearity	±10 / 30 µg	±7 µg	±8 µg
Eccentric load deviation	6 / 10 µg	7 µg	8 µg
Sensitivity offset	$4\times10^{-6}\times Rt$	$4\times10^{-6}\times Rt$	$4\times10^{-6}\times Rt$
Sensitivity time drift	1×10^{-6}/Year×Rt	1×10^{-6}/Year×Rt	1×10^{-6}/Year×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	5,7” Resistive Color Touchscreen	5,7” Resistive Color Touchscreen	5,7” Resistive Color Touchscreen
Weighing chamber doors	automatic	automatic	automatic
Delivery components	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.	Microbalance, terminal, weighing pan, osłona weighing pans, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 90×90 mm	ø 90×90 mm	ø 90×90 mm
Weighing pan dimensions	ø26 / ø40 mm	ø26 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	16,6 kg	16,6 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A 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 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

Additional fee for verification

Accessories (Additional Fee)

Automatic Variable-Volume Pipettes
RS 232, RS 485 cables
Workstation for Pipettes Calibration
Label Printers
RS 232, RS 485 cables
RS 232 – USB Converter
Professional Weighing Tables

Software (Additional Fee)

RAD-KEY
R-LAB
R-Pipettes
RADWAG Development Studio

Device dimensions

MYA 5.4Y PLUS Microbalance, MYA 0.8/3.4Y PLUS Microbalance, MYA 11.4Y PLUS Microbalance, MYA 6.4Y PLUS Microbalance, MYA 2.4Y PLUS Microbalance, MYA 31.4Y PLUS Microbalance, MYA 11/52.4Y PLUS Microbalance, MYA 21/52.4Y PLUS Microbalance, MYA 21.4Y PLUS Microbalance