



MYA 5.5Y Microbalance, MYA 11.1.5Y 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
 MYA 11.1.5Y 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

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 WL-109-1000	MYA 2.5Y Microbalance WL-109-0004	MYA 5.5Y Microbalance WL-109-0006
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
Minimum weight (USP)	0,82 mg	0,82 mg	0,82 mg
Minimum weight (U=1%, k=2)	0,082 mg	0,082 mg	0,082 mg
Standard repeatability [5% Max]	0,41 µg	0,41 µg	0,41 µg
Permissible repeatability [5% Max]	1,2 µg	0,8 µg	1,2 µg
Linearity	±3 / 10 µg	±3 µg	±3 µg
Eccentric load deviation	3 / 10 µg	3 µg	5 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" 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	ø 90×90 mm	ø 90×90 mm	ø 90×90 mm
Weighing pan dimensions	ø16 + ø60 mm	ø16 mm	ø26 mm
Packaging dimensions W x D x H	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	10,6 kg	10,6 kg	10,6 kg
Gross weight	16,5 kg	16,5 kg	16,5 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 Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
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)

Standard repeatability [5% Max], Standard repeatability [Max] and Standard minimum weight (USP) are parameters obtained in automatic mode under special laboratory conditions. Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 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 WL-109-0007	MYA 11.5Y Microbalance WL-109-0008	MYA 11.1.5Y Microbalance WL-109-0051
Metrological parameters			
Maximum capacity [Max]	6 g	11 g	11 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1 µg	1 µg	1 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-6 g	-11 g	-11 g
Minimum weight (USP)	0,82 mg	1,4 mg	0,9 mg
Minimum weight (U=1%, k=2)	0,082 mg	0,14 mg	0,09 mg
Standard repeatability [5% Max]	0,41 µg	0,7 µg	0,45 µg
Permissible repeatability [5% Max]	1,2 µg	1,6 µg	1,2 µg
Linearity	±5 µg	±6 µg	±6 µg
Eccentric load deviation	5 µg	6 µg	6 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" 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	ø 90×90 mm	ø 90×90 mm	ø 90×90 mm
Weighing pan dimensions	ø26 mm	ø26 mm	ø16 mm
Packaging dimensions W x D x H	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	10,6 kg	10,6 kg	10,6 kg
Gross weight	16,5 kg	16,5 kg	16,5 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 Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
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)

Standard repeatability [5% Max], Standard repeatability [Max] and Standard minimum weight (USP) are parameters obtained in automatic

mode under special laboratory conditions. Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Datasheet

	MYA 11/52.5Y Microbalance WL-109-1001	MYA 21.5Y Microbalance WL-109-0010	MYA 21/52.5Y Microbalance WL-109-1002
Metrological parameters			
Maximum capacity [Max]	11 / 52 g	21 g	21 / 52 g
Minimum load	0,1 mg	0,1 mg	0,1 mg
Readability [d]	1 / 10 µg	1 µg	1 / 10 µg
Verification unit [e]	1 mg	1 mg	1 mg
Tare range	-52 g	-21 g	-52 g
Minimum weight (USP)	1,4 mg	1,4 mg	1,4 mg
Minimum weight (U=1%, k=2)	0,14 mg	0,14 mg	0,14 mg
Standard repeatability [5% Max]	0,7 µg	0,7 µg	0,7 µg
Permissible repeatability [5% Max]	2 µg	1,6 µg	2 µg
Linearity	±10 / 30 µg	±7 µg	±10 / 30 µg
Eccentric load deviation	6 / 10 µg	7 µg	6 / 10 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" 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	ø 90×90 mm	ø 90×90 mm	ø 90×90 mm
Weighing pan dimensions	ø26 + ø40 mm	ø26 mm	ø26 + ø40 mm
Packaging dimensions W x D x H	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	10,6 kg	10,6 kg	10,6 kg
Gross weight	16,5 kg	16,5 kg	16,5 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 Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
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)

Standard repeatability [5% Max], Standard repeatability [Max] and Standard minimum weight (USP) are parameters obtained in automatic mode under special laboratory conditions. Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Datasheet

MYA 31.5Y Microbalance WL-109-0011	
Metrological parameters	
Maximum capacity [Max]	31 g
Minimum load	0,1 mg
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-31 g
Minimum weight (USP)	1,8 mg
Minimum weight (U=1%, k=2)	0,18 mg
Standard repeatability [5% Max]	0,9 µg
Permissible repeatability [5% Max]	2,2 µg
Linearity	±8 µg
Eccentric load deviation	8 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	3,5 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	automatic – Reflex Level System
Display	10" graphic colour touchscreen
Weighing chamber doors	automatic
Delivery components	Microbalance, terminal, weighing pan, weighing pan shield, glass lid, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 90x90 mm
Weighing pan dimensions	ø26 mm
Packaging dimensions W x D x H	750x492x595 mm
Net weight	10,6 kg
Gross weight	16,5 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2xUSB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
Environmental conditions	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

Standard repeatability [5% Max], Standard repeatability [Max] and Standard minimum weight (USP) are parameters obtained in automatic mode under special laboratory conditions. Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing.

Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 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 | Barcode scanners |
| RFID Tags | Balance Storage Case |
| Antivibration Tables | RS 232, RS 485 cables |
| Power Adapters | Chamber for filter weighing |
| Adapters for Pipettes Calibration | THBR 2.0 System - Ambient Conditions Monitoring |
| Additional modules | Weighing dishes |
| Anti-Draft Chamber for Microbalances | Receipt Printer |
| Professional Weighing Tables | Fingerprint Reader |
| Antistatic ionizer | Adapter for Pipette Calibration |
| Protective cover for balances | RS 232 – USB Converter |

Software (Additional Fee)

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

Device dimensions W x D x H

MYA 5.5Y Microbalance, MYA 11.1.5Y 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

