



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
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	1×10 ⁻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	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
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

	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
Standard repeatability [5% Max]	0,6 µg	0,9 µg	0,45 µg
Standard repeatability [Max]	1,6 µg	2,5 µg	2,5 µg
Standard minimum weight (USP)	1,2 mg	1,8 mg	0,9 mg
Standard minimum weight (U=1%, k=2)	0,12 mg	0,18 mg	0,09 mg
Permissible repeatability [5% Max]	1,2 µg	1,6 µg	1,6 µg
Permissible repeatability [Max]	2,4 µg	3,5 µg	3,5 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	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	15,5 kg	15,5 kg	15,5 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; 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 depends on 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

	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
Standard repeatability [5% Max]	1,5 µg	1 µg	1,5 µg
Standard repeatability [Max]	10 µg	3 µg	10 µg
Standard minimum weight (USP)	3 mg	2 mg	3 mg
Standard minimum weight (U=1%, k=2)	0,3 mg	0,2 mg	0,3 mg
Permissible repeatability [5% Max]	2,7 µg	1,6 µg	2,7 µg
Permissible repeatability [Max]	15 µg	4 µg	15 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	750×492×595 mm	750×492×595 mm	750×492×595 mm
Net weight	10 kg	9,1 kg	10,17 kg
Gross weight	16 kg	15,5 kg	16,6 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 depends on 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

	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
Standard repeatability [5% Max]	1,2 µg
Standard repeatability [Max]	4,5 µg
Standard minimum weight (USP)	2,4 mg
Standard minimum weight (U=1%, k=2)	0,24 mg
Permissible repeatability [5% Max]	2,5 µg
Permissible repeatability [Max]	6,5 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 90×90 mm
Weighing pan dimensions	ø26 mm
Packaging dimensions	750×492×595 mm
Net weight	9,1 kg
Gross weight	15,5 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	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*
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)

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. * 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

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

Chamber for filter weighing

THBR 2.0 System - Ambient Conditions Monitoring

RS 232, RS 485 cables

Weighing dishes

Receipt Printer

Fingerprint Reader

Protective cover for balances

RS 232 – USB Converter

Software (Additional Fee)

E2R System

Label Editor R02

R-LAB

RADWAG Development Studio

RAD-KEY

RADWAG Remote Desktop

Scales Editor 2.1

Device dimensions

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

