



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



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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 | ±5 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 | 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 11.1.5Y Microbalance |
|-------------------------------------|---|---|---|
| Metrological parameters | | | |
| Maximum capacity [Max] | 6,1 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 | -6,1 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 | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ |
| 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 | 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 |
| 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 11/52.5Y Microbalance | MYA 21.5Y Microbalance | MYA 21/52.5Y Microbalance |
|-------------------------------------|---|---|---|
| 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 | $1 \times 10^{-6}/\text{Year} \times \text{Rt}$ | $1 \times 10^{-6}/\text{Year} \times \text{Rt}$ | $1 \times 10^{-6}/\text{Year} \times \text{Rt}$ |
| 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 + 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 | 16,6 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 31.5Y Microbalance | |
|-------------------------------------|---|
| 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 | max 10 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 | ø90×90 mm |
| Weighing pan dimensions | ø26 mm |
| Packaging dimensions | 750×492×595 mm |
| Net weight | 9,1 kg |
| Gross weight | 15,5 kg |
| Communication interface | |
| Communication interface | 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* |
| Environmental conditions | |
| Operating temperature | +10 – +40 °C |
| Operating temperature change rate | ±0,3°C/1h (±1°C/8h) |
| Relative humidity | 40% – 80% |
| Relative humidity change rate | ±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.



Extra payment for verification



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
USB Hubs
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

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

