



More information on the website
radwag.com/us/info,w1,VGR

XA 21.5Y.M 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

Datasheet

| | |
|------------------------|--------|
| Maximum capacity [Max] | 21 g |
| Minimum load | 0,1 mg |
| Readability [d] | 1 µg |

| | |
|-------------------------------------|-----------------------------|
| Verification unit [e] | 1 mg |
| Tare range | -21 g |
| Standard repeatability [5% Max] | 1,3 µg |
| Standard repeatability [Max] | 3,5 µg |
| Standard minimum weight (USP) | 2,6 mg |
| Standard minimum weight (U=1%, k=2) | 0,26 mg |
| Permissible repeatability [5% Max] | 2 µg |
| Permissible repeatability [Max] | 5 µg |
| Linearity | ±9 µg |
| Eccentric load deviation | 15 µg |
| Sensitivity time drift | 1×10 ⁻⁶ /Year×Rt |
| Stabilization time | ~ 3,5 s |
| Adjustment | internal (automatic) |
| OIML Class | I |

Physical parameters

| | |
|-----------------------------|--|
| Leveling system | semi-automatic – LevelSENSING |
| Display | 10" graphic colour touchscreen |
| Weighing chamber doors | manual |
| Delivery components | Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover. |
| Weighing chamber dimensions | 168×160×228 mm |
| Weighing pan dimensions | ø30 mm |
| Packaging dimensions | 750×492×595 mm |
| Net weight | 9,8 kg |
| Gross weight | 16 kg |

Construction

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|------------------|-------|
| Protection class | IP 43 |
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|-------------------------|--|
| Communication interface | 2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot |
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|--------------|--|
| Power supply | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max* |
|--------------|--|

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|-----------------------|--------------|
| Operating temperature | +10 – +40 °C |
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|-----------------------------------|-----------------------------|
| 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.



Extra payment for verification



Accessories

MediaBox
RFID Tags
Antivibration tables
Power Adapters
RS 232, RS 485 cables
Additional modules
Anti-Draft Chamber for Microbalances
Professional Weighing Tables
Protective cover for balances
Barcode scanners
Automatic feeders
MICRO-KIT - Set of Holders for Microscale Glassware

Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
RS 232, RS 485 cables
Protective cover for balances
Adapters for pipettes calibration
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Weighing dishes
Antistatic ionizer
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Under-pan weighing

Software

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]
- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]

Device dimensions

