

# XA 6/21.5Y.M.A Microbalance


























**QAQC LAB**

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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 |  Automatic sliding door        |  Density determination       |
|  Moveable range         |  Differential weighing  |  Ambient conditions monitoring |  Statistical Quality Control |
|  Packaged Goods Control |  ALIBI Memory           |  Wi-Fi                         |   |

## Datasheet

### Metrological parameters

|                        |        |
|------------------------|--------|
| Maximum capacity [Max] | 6/21 g |
| Minimum load           | 0,1 mg |

| <b>Metrological parameters</b>      |  |
|-------------------------------------|--|
| Readability [d]                     | 1/2 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 <sup>-6</sup> /Year×Rt  |
| Stabilization time                  | ~3,5 s   |
| Adjustment                          | internal (automatic)   |
| OIML Class                          | I  |
| <b>Physical parameters</b>          |  |
| Leveling system                     | automatic - Reflex Level System  |
| Display                             | 10" touchscreen  |
| Protection class                    | IP 43  |
| Delivery components                 | Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover. |
| Weighing chamber dimensions         | 199×170×217 mm   |
| Weighing pan dimensions             | ø30 mm   |
| Packaging dimensions                | 750×492×595 mm   |
| Net weight                          | 14,5 kg  |
| Gross weight                        | 18,9 kg  |
| <b>Communication interface</b>      |  |
| Communication interface             | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot  |
| <b>Electrical parameters</b>        |  |
| Power supply                        | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,4A max*         |
| <b>Environmental conditions</b>     |  |
| 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  
Protective cover for balances  
Barcode scanners  
Additional modules  
Anti-Draft Chamber for Microbalances  
Professional weighing table  
Protective cover for balances  
MICRO-KIT - Set of Holders for Microscale Glassware

USB Hubs  
Label Printers  
RS 232, RS 485 cables  
THBR 2.0 System - Ambient Conditions Monitoring  
Adapters for Pipettes Calibration  
Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
Weighing dishes  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter  
Under-pan weighing

## Software

RAD-KEY  
LabVIEW Driver  
RADWAG Remote Desktop  
Scales Editor 2.1  
R.Barcode

Audit Trail Reader  
Label Editor R02  
R-LAB  
RADWAG Development Studio

## Device dimensions

