



More information on the website
radwag.com/en/info,w1,00D

XA 53.5Y.M Microbalance



XA 53.5Y.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

| | XA 53.5Y.M Microbalance |
|-------------------------------------|--|
| Metrological parameters | |
| Maximum capacity [Max] | 53 g |
| Minimum load | 0,1 mg |
| Readability [d] | 1 µg |
| Verification scale interval [e] | 1 mg |
| Tare range | -53 g |
| Standard repeatability [5% Max] | 1,5 µg |
| Standard repeatability [Max] | 6 µg |
| Standard minimum weight (USP) | 3 mg |
| Standard minimum weight (U=1%, k=2) | 0,3 mg |
| Permissible repeatability [5% Max] | 2,4 µg |
| Permissible repeatability [Max] | 8 µg |
| Linearity | ±20 µg |
| Eccentric load deviation | 20 µg |
| Sensitivity time drift | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ |
| Stabilization time | ~3,5 s |
| Adjustment | internal (automatic) |
| OIML Class | I |
| Physical parameters | |
| Leveling system | semi-automatic - LevelSENSING |
| Display | 10" touchscreen |
| 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 | 435 x 885 x 540 mm |
| Net weight | 9,8 kg |
| Gross weight | 14,3 kg |
| Communication interface | |
| Communication interface | USB-A ×2, 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.



Accessories

Barcode scanners
Professional weighing table
MICRO-KIT - Set of Holders for Microscale Glassware
USB Hubs
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring

Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Weighing dishes
Fingerprint Reader
RS 232 – USB Converter
RS 232, RS 485 cables

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

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