



More information on the website
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XA 53.5Y.M.A.P Microbalance

WL-112-0003



The drawings, photos and graphics used are for illustrative purposes only.

Functions

-  Autotest
-  Percent Weighing
-  Peak hold
-  Statistics
-  IR sensors
-  GLP Procedures
-  Pipettes Calibration
-  Air density correction
-  Automatic sliding door
-  Moveable range
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

| Metrological parameters | |
|-------------------------|--------|
| Maximum capacity [Max] | 53 g |
| Minimum load | 0,1 mg |
| Readability [d] | 1 µg |
| Verification unit [e] | 1 mg |
| Tare range | -53 g |
| Minimum weight (USP) | 3 mg |

| Metrological parameters | |
|------------------------------------|--|
| Minimum weight (U=1%, k=2) | 0,3 mg |
| Standard repeatability [Max] | 6 µg |
| Standard repeatability [5% Max] | 1,5 µg |
| Permissible repeatability [Max] | 8 µg |
| Permissible repeatability [5% Max] | 2,4 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 | automatic – Reflex Level System |
| Display | 10" graphic colour touchscreen |
| Weighing chamber doors | automatic |
| Delivery components | Microbalance, weighing pan, weighing pan shield, power supply, automatic pipette calibration adapter: (base, bottom ring, glass vessel, pipette calibration adapter, evaporation ring, weighing pan, glass lid, mechanical closing cover, protecting screw), brush, fabric dust cover. |
| Weighing chamber dimensions | 199×170×217 mm |
| Capacity | 11 ml |
| Weighing pan dimensions | ø26 mm |
| Packaging dimensions W x D x H | 750×492×595 mm |
| Net weight | 14,05 kg |
| Gross weight | 18,4 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 Max; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10 – 19W* |
| 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 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.

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Additional fee for verification



Accessories (Additional Fee)

MediaBox
RFID Tags
Antivibration tables
Power Adapters
Protective cover for balances
Additional modules
Anti-Draft Chamber for Microbalances
Automatic Variable-Volume Pipettes
Professional Weighing Tables
Barcode scanners

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

Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- R-Pipettes [WX-010-0026]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]

- RAD Key [WX-010-0005]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]