radwag.com

XA 21/52.5Y.M.A.P Microbalance

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



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
- Differential weighing
- Ambient conditions monitoring
- Statistical Quality Control
- Packaged Goods Control
- ALIBI Memory
- Wi-Fi

Datasheet

Metrological parameters	
Maximum capacity [Max]	21/52 g
Minimum load	0.1 mg

Metrological parameters	
Readability [d]	1/5 µg
Verification unit [e]	1 mg
Tare range	-52 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	1×10^{-6}/Year×Rt
Stabilization time	~3.5 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	automatic - Reflex Level System
Display	10" 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
Weighing pan dimensions	ø26 mm
Packaging dimensions	750×492×595 mm
Net weight	14.5 kg
Gross weight	18.9 kg
Protection class	IP 43
Relative humidity	40% — 80%
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 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
- IM02.1 (MediaBox) Communication Module [WX-016-0303]

RFID Tags
- RFID Tag [WX-015-0330]

Antivibration Tables
- SAL/STONE/H Stainless Steel Antivibration Table [WX-001-0079]
- SAL/H/PLUS Stainless Steel Laboratory Anti-Vibration Table for PLUS Series Balances [WX-001-0155]
- SAL/STONE/C Antivibration Table [WX-001-0078]
- SAL/C/PLUS Anti-Vibration Table for PLUS Series Balances [WX-001-0156]

Power Adapters
- ZR-04/1 Powerbank [WX-015-0329]
- ZR-03/1 Powerbank [WX-015-0319]

Protective cover for balances
- Fabric Dust Cover for XA 5Y.A Balances [WX-001-0443]

Additional modules
- RES Radwag Extended SI Module (5Y, CY10) [WX-016-0315]
- 21 CFR Part 11 Compliance Module (4Y, 5Y, CY10) [WX-001-0133]

Anti-Draft Chamber for Microbalances
- Anti-Draft Chamber for Microbalances [WX-001-0117]

Automatic Variable-Volume Pipettes
- 100 µl ÷ 1000 µl - RW8-106-20-9 Automatic Pipettes [PA-203-0006]
- 2 µl ÷ 20 µl - RW8-102-20-9 Automatic Pipettes [PA-203-0002]
- 10 µl ÷ 100 µl - RW8-104-20-9 Automatic Pipettes [PA-203-0004]
- 20 µl ÷ 200 µl - RW8-105-20-9 Automatic Pipettes [PA-203-0005]
- 5 µl ÷ 50 µl - RW8-103-20-9 Automatic Pipettes [PA-203-0003]
- 0.5 µl ÷ 10 µl - RW8-101-20-9 Automatic Pipettes [PA-203-0001]
- 500 µl ÷ 5000 µl - RW8-107-20-9 Automatic Pipettes [PA-203-0007]

Professional weighing table
- PSW Professional Single Weighing Workstation [WX-001-0020]
- PSW/DUAL Professional Dual Weighing Workstation [WX-001-0402]

Protective cover for balances
- Hybrid Protective Glass 5Y, CY10 [WX-001-0435]

Barcode scanners
- LS2208 Barcode Scanner [WX-006-0005]
- PD9531 Barcode Scanner [WX-006-0046]
- DS2208 Barcode Scanner [WX-006-0036]

Workstation for Pipettes Calibration
- SDKP Workstation for Pipettes Calibration [WL-101-0181]

RS 232, RS 485 cables
- Cable to the ZR-03/1 and ZR-04/1 Powerbank [WX-013-0244]
- PT0455 Cable [WX-013-0239]

USB Hubs
- USB 3.0 Hub [WX-015-0286]

Label Printers
- ZD 421t Zebra Printer [WX-007-0114]

RS 232, RS 485 cables
- PT0454 Cable [WX-013-0240]
- PT0443 Cable [WX-013-0229]

THBR 2.0 System - Ambient Conditions Monitoring
- THB P Sensor [WX-016-0161]
- THB S Sensor [WX-016-0160]

Anti-Draft Chamber for XA 4Y and XA 5Y Balances

Receipt Printer
- RTP-UEW80 Radwag Thermal Receipt Printer (USB + Ethernet + WiFi) [WX-007-0118]
- RTP-RU80 Radwag Thermal Receipt Printer (RS232 + USB) [WX-007-0119]

Fingerprint Reader

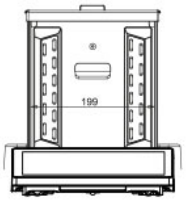
RS 232 – USB Converter
- Moxa UPort 1110 Converter [WX-015-0278]

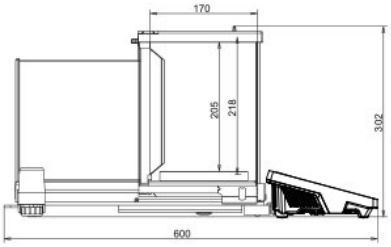
Under-pan weighing
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

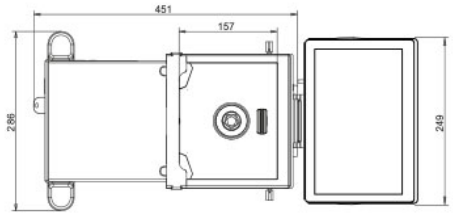
Software

- RAD Key [WX-010-0005]
- R-Pipettes [WX-010-0026]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]
- Audit Trail Reader [WX-010-0186]
- LabVIEW “Radwag Balances & Scale” Driver [WX-010-0105]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]
- R-Barcode [WX-010-0109]

Device dimensions


199


170
205
218
302
600


451
157
286
249