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# XA 520.5Y.A Analytical Balance

More information on the website
radwag.com/en/info,w1,V5C




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
- Under-pan weighing
- 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] | 520 g |
| Minimum load | - |

| | |
|---|---|
| **Metrological parameters** | |
| Readability [d] | 0.1 mg |
| Verification unit [e] | - |
| Tare range | -520 g |
| Standard repeatability [5% Max] | 0.07 mg |
| Standard repeatability [Max] | 0.18 mg |
| Standard minimum weight (USP) | 140 mg |
| Standard minimum weight (U=1%, k=2) | 14 mg |
| Permissible repeatability [5% Max] | 0.12 mg |
| Permissible repeatability [Max] | 0.25 mg |
| Linearity | ±0.5 mg |
| Eccentric load deviation | 0.4 mg |
| Sensitivity time drift | $1\times10^{-6}$/Year×Rt |
| Stabilization time | 1.3 s |
| Adjustment | internal (automatic) |
| OIML Class | - |
| **Physical parameters** | |
| Leveling system | automatic - Reflex Level System |
| Display | 10" touchscreen |
| Weighing chamber doors | automatic |
| Delivery components | Analytical Balance, weighing pan, weighing pan shield, brush, fabric dust cover, power supply. |
| Weighing chamber dimensions | 200×170×220 mm |
| Weighing pan dimensions | ø100 mm |
| Packaging dimensions | 750×492×595 mm |
| Net weight | 14.7 kg |
| Gross weight | 20.5 kg |
| Protection class | IP 43 |
| Relative humidity | 20% — 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<br>Balance: 12 – 15V DC 1.6A 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.

# 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]

RS 232, RS 485 cables
- PT0453 Cable [WX-013-0238]
- Cable to the ZR-03/1 and ZR-04/1 Powerbank [WX-013-0244]

Holders for laboratory flasks
- UL-03-2 (XA) Laboratory Holders [WX-001-0438]
- UL-04-2 (XA) Laboratory Holders [WX-001-0439]

Density determination KIT
- KIT 85 Density Determination Kit [WX-001-0001]

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

Holders for test tubes and filters
- UL-01-2 (XA) Laboratory Holders [WX-001-0436]
- UL-02-2 (XA) Laboratory Holders [WX-001-0437]

Professional weighing table
- PSW Professional Single Weighing Workstation [WX-001-0020]

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]

Automatic feeders
- PA-04/H Automatic Feeder [WX-001-0105]

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]

Under-pan weighing
- Under-pan Weighing Rack for XA Balances [WX-002-0003]

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

Weighing dishes
- Weighing dishes for ultra-microbalances, microbalances and analytical balances [WX-001-0429]

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

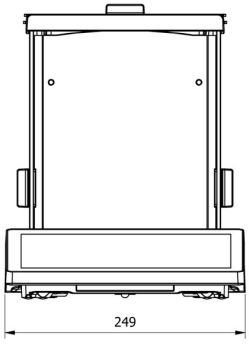
RS 232 – USB Converter
- Moxa UPort 1110 Converter [WX-015-0278]

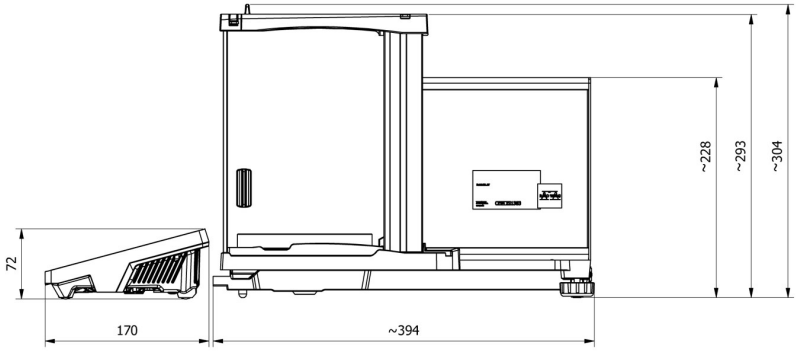
Under-pan weighing
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

# Software

- RAD Key [WX-010-0005]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]
- 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


249


72
170
~394
~228
~293
~304