



More information on the website
radwag.com/en/info,w1,MD7

XA 52.5Y Analytical Balance



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

Datasheet

Metrological parameters

| | |
|------------------------|------|
| Maximum capacity [Max] | 52 g |
| Minimum load | 1 mg |

| Metrological parameters | |
|-------------------------------------|---|
| Readability [d] | 0.01 mg |
| Verification unit [e] | 1 mg |
| Tare range | -52 g |
| Standard repeatability [5% Max] | 0.005 mg |
| Standard repeatability [Max] | 0.01 mg |
| Standard minimum weight (USP) | 10 mg |
| Standard minimum weight (U=1%, k=2) | 1 mg |
| Permissible repeatability [5% Max] | 0.012 mg |
| Permissible repeatability [Max] | 0.02 mg |
| Linearity | ±0.03 mg |
| Eccentric load deviation | 0.03 mg |
| Sensitivity time drift | $1 \times 10^{-6} / \text{Year} \times R_t$ |
| Stabilization time | 4 s |
| Adjustment | internal (automatic) |
| OIML Class | I |
| Physical parameters | |
| Leveling system | semi-automatic - LevelSENSING |
| Display | 10" touchscreen |
| Weighing chamber doors | manualne |
| Delivery components | Analytical Balance, weighing pan, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply. |
| Weighing chamber dimensions | 168×160×228 mm |
| Weighing pan dimensions | ø90 + ø85 (option) mm |
| Packaging dimensions | 750×492×595 mm |
| Net weight | 9.8 kg |
| Gross weight | 15.5 kg |
| Protection class | IP 43 |
| Relative humidity | 20% – 80% |
| Communication interface | |
| Communication interface | USB-A x2, 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 1.6A 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.



Extra payment for verification



Accessories

MediaBox

- IM02.1 (MediaBox) Communication Module [WX-016-0303]

RFID Tags

- RFID Tag [WX-015-0330]

Adapters for Pipettes Calibration

- XA17 - 17ml Adapter for Pipette Calibration [WX-001-0063]
- Suction pump for liquids [WX-001-0445]

Power Adapters

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

Barcode scanners

- PD9330-AR Barcode Scanner [WX-006-0030]
- PM9300-D Barcode Scanner [WX-006-0033]
- LS2208 Barcode Scanner [WX-006-0005]
- PD9531 Barcode Scanner [WX-006-0046]
- DS2208 Barcode Scanner [WX-006-0036]
- PM9300 Barcode Scanner [WX-006-0031]
- PM9300-DK Barcode Scanner [WX-006-0034]

RS 232, RS 485 cables

- PT0453 Cable [WX-013-0238]

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]

Professional weighing table

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

Protective cover for balances

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

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]

Protective cover for balances

- Fabric Dust Cover for XA 5Y Balances [WX-001-0441]

Under-pan weighing

- Under-pan Weighing Rack for XA Balances [WX-002-0003]
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

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]

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

