






















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

XA 110.5Y.F Analytical Balance



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

Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  GLP Procedures
-  Animal weighing
-  Pipettes Calibration
-  Air density correction
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

| Metrological parameters | |
|-------------------------|---------|
| Maximum capacity [Max] | 110 g |
| Minimum load | 1 mg |
| Readability [d] | 0.01 mg |
| Verification unit [e] | 1 mg |

| Metrological parameters | |
|-------------------------------------|---|
| Tare range | -110 mg |
| Standard repeatability [5% Max] | 0.007 mg |
| Standard repeatability [Max] | 0.02 mg |
| Standard minimum weight (USP) | 14 mg |
| Standard minimum weight (U=1%, k=2) | 1.4 mg |
| Permissible repeatability [5% Max] | 0.01 mg |
| Permissible repeatability [Max] | 0.03 mg |
| Linearity | ±0.06 mg |
| Eccentric load deviation | 0.06 mg |
| Sensitivity offset | $2 \times 10^{-6} \times R_t$ |
| Sensitivity time drift | $1 \times 10^{-6} / \text{Year} \times R_t$ |
| Stabilization time | 5 s (30 s for filters) |
| Adjustment | internal (automatic) |
| OIML Class | I |
| Sensitivity temperature drift | $1 \times 10^{-6} / ^\circ\text{C} \times R_t$ |
| Physical parameters | |
| Leveling system | semi-automatic - LevelSENSING |
| Display | 10" touchscreen |
| Weighing chamber doors | manual |
| Delivery components | Waga analityczna, weighing pan, weighing pan for filters, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply. |
| Weighing pan dimensions | 210×254 mm for filters + ø90 mm open-work pan + ø85 mm standard pan (option) |
| Packaging dimensions | 865×510×690 mm |
| Net weight | 12.7 kg |
| Gross weight | 25 kg |
| Construction | |
| Protection class | IP 43 |
| 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 Waga: 12 – 15V DC 1.1A max |
| Environmental conditions | |
| Operating temperature | +10 ÷ +50 °C |

Repeatability is expressed as a standard deviation from 10 weighing cycles.

Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

* 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 Laboratory Anti-Vibration Table [WX-001-0076]
- SAL/H Stainless Steel Laboratory Anti-Vibration Table [WX-001-0077]
- 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]

RS 232, RS 485 cables

- PT0453 Cable [WX-013-0238]
- PT0167.10 Cable [WX-013-0148]
- Cable to the ZR-03/1 and ZR-04/1 Powerbank [WX-013-0244]
- PT0167.5 Cable [WX-013-0147]
- PT0455 Cable [WX-013-0239]
- PT0167.2 Cable [WX-013-0146]

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]
- 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]
- PM9501-433RBK20 Barcode Scanner [WX-006-0051]
- PD9531-K1 Barcode Scanner [WX-006-0046]
- DS2208 Barcode Scanner [WX-006-0036]
- PM9501-433RBK10 Barcode Scanner [WX-006-0045]
- PD9531-K2 Barcode Scanner [WX-006-0050]

USB Hubs

- USB 3.0 Hub [WX-015-0286]

Software

- RAD Key [WX-010-0005]
- LabVIEW "Radwag Balances & Scale" Driver [WX-010-0105]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]
- E2R Weighing Records [WX-010-0038]

Label Printers

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

RS 232, RS 485 cables

- PT0454 Cable [WX-013-0240]
- P0108 Cable [WX-013-0003]
- PT0443 Cable [WX-013-0229]
- P0108.5 Cable [WX-013-0161]

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.F Balances [WX-001-0442]

Under-pan weighing

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

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]

Under-pan weighing

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

