radwag.com

XA 82/220.5Y.A Analytical Balance

More information on the website
radwag.com/en/info,w1,C6M



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

Datasheet

Metrological parameters	
Maximum capacity [Max]	82 / 220 g
Minimum load	1 mg

Metrological parameters	
Readability [d]	0.01 / 0.1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Standard repeatability [5% Max]	0.005 mg
Standard repeatability [Max]	0.06 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]	0.08 mg
Linearity	±0.06 / 0.2 mg
Eccentric load deviation	0.2 mg
Sensitivity time drift	1×10^{-6}/Year×Rt
Stabilization time	4 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	automatic - Reflex Level System
Display	10" touchscreen
Weighing chamber doors	automatic
Delivery components	Analytical Balance, weighing pan, weighing pan shield, centring ring, brush, fabric dust cover, power supply.
Weighing chamber dimensions	200×170×220 mm
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm
Packaging dimensions	750×492×595 mm
Net weight	15.27 kg
Gross weight	19.1 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 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]

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]

Adapters for Pipettes Calibration
- XA17 - 17ml Adapter for Pipette Calibration [WX-001-0063]
- XA100 Adapter for Pipettes calibration 100 ml XA 5Y.A [WX-001-0450]
- Suction pump for liquids [WX-001-0445]

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

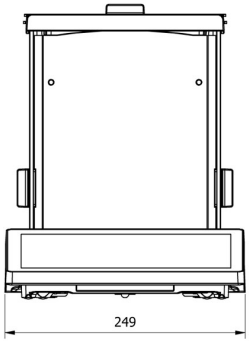
RS 232 – USB Converter
- Moxa UPort 1110 Converter [WX-015-0278]

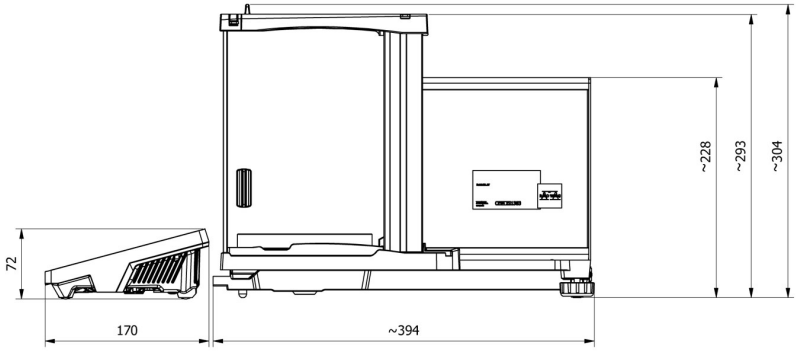
Under-pan weighing
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

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