



More information on the website
radwag.com/en/info,w1,B6V

AS 3100.X2 PLUS 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



Density determination



Ambient conditions
monitoring



Replaceable unit



Statistical Quality Control



ALIBI Memory



Mass for titrator



Wi-Fi

Datasheet

Metrological parameters

Maximum capacity [Max]	3.1 kg
Minimum load	-
Readability [d]	1 mg
Verification unit [e]	-

Metrological parameters	
Tare range	-3.1 kg
Standard repeatability [5% Max]	0.5 mg
Standard repeatability [Max]	0.6 mg
Standard minimum weight (USP)	1 g
Standard minimum weight (U=1%, k=2)	100 mg
Permissible repeatability [5% Max]	0.8 mg
Permissible repeatability [Max]	1 mg
Linearity	±6 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	-
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	5" graphic color touchscreen
Protection class	IP 43
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing chamber dimensions	190×190×222 mm
Weighing pan dimensions	ø90 mm (open-work pan)
Packaging dimensions	495×400×515 mm
Net weight	7.3 kg
Gross weight	9.3 kg
Features of use	
Database capacity	7
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	RS232 ¹ , 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.8A max
Power consumption max.	4 W
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Ambient conditions monitoring	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
Relative humidity	40% ÷ 80%

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. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Accessories

Antivibration Tables

- SAL/STONE/H Stainless Steel Antivibration Table [WX-001-0079]
- SAL/STONE/C Antivibration Table [WX-001-0078]

Holders for laboratory flasks

- UL-04-1 (AS) Laboratory Holders [WX-001-0033]
- UL-03-1 (AS) Laboratory Holders [WX-001-0032]

Barcode scanners

- PD9330-AR Barcode Scanner [WX-006-0030]
- PM9300-D Barcode Scanner [WX-006-0033]
- LS2208 Barcode Scanner [WX-006-0005]
- PD9530 Barcode Scanner [WX-006-0014]
- DS2208 Barcode Scanner [WX-006-0036]
- PM9300 Barcode Scanner [WX-006-0031]
- PM9300-DK Barcode Scanner [WX-006-0034]

Cigarette lighter receptacle power supply cables

- K0047 Car lighter 12V cable [WX-013-0034]

Density determination KIT

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

USB cable (scale - printer)

- PT0238 USB Cable Type A-B [WX-013-0056]

Professional weighing table

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

Holders for test tubes and filters

- UL-02-1 (AS) Laboratory Holders [WX-001-0031]
- UL-01-1 (AS) Laboratory Holders [WX-001-0036]

Workstation for Pipettes Calibration

- SDKP Workstation for Pipettes Calibration [WL-101-0181]
- SDKP DUAL Workstation for Pipettes Calibration [WL-101-0173]

Displays

- WD-6 LCD Display - Plastic Housing [WX-002-0030]

Protective cover for balances

- Protective Cover for X2 PLUS / R2 PLUS Balance [WX-001-0433]
- Protective Cover for X2 Balance [WX-001-0094]
- Fabric Dust Cover for AS PLUS Balances [WX-001-0179]

Weighing dishes

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

Antistatic ionizer

- DJ-04 Antistatic Ionizer [WX-001-0097]

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]

RS 232, RS 485 cables

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

Additional modules

- RES Radwag Extended SI Module (X2) [WX-016-0265]

Under-pan weighing

- Under-pan Weighing Rack for AS and PS Balances [WX-002-0111]
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

RS 232 cables (scale - printer)

- P0151 Cable [WX-013-0002]

RS 232 – RS 485 Converter

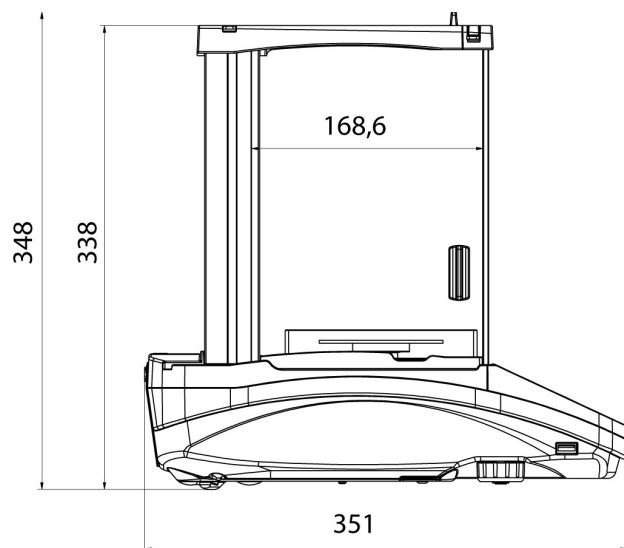
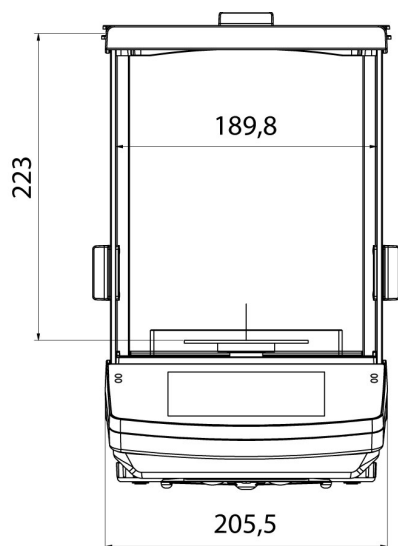
- KR-01 Converter [WX-004-0021]

Software

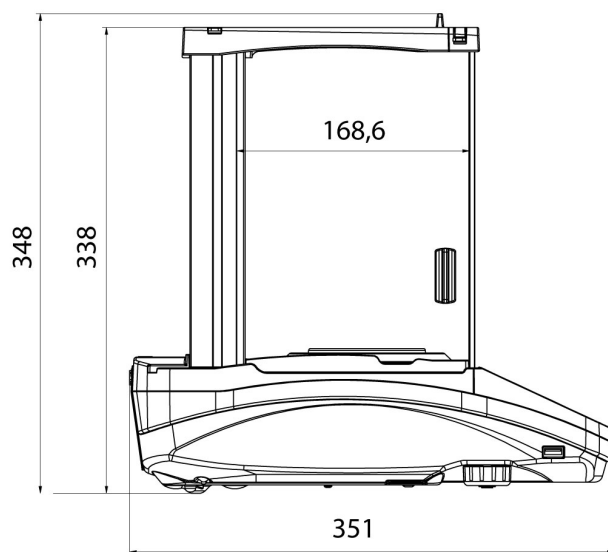
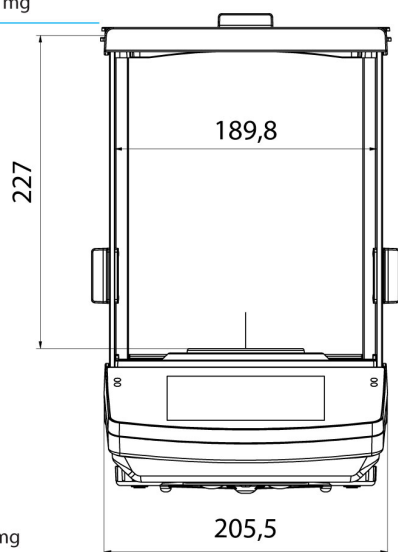
- RAD Key [WX-010-0005]
- Alibi Reader [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]
- R-Barcode [WX-010-0109]

- LabVIEW "Radwag Balances & Scale" Driver [WX-010-0105]
- R-Lab [WX-010-0080]
- E2R Weighing Records [WX-010-0038]

Device dimensions



AS X2 PLUS, d = 0.01 mg



AS X2 PLUS, d = 0.1 mg