






















More information on the website
radwag.com/en/info,w1,0W3

AS 82/220.X2 PLUS Analytical Balance



Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Peak hold
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  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]	82 / 220 g
Minimum load	1 mg
Readability [d]	0,01 / 0,1 mg
Verification scale interval [e]	1 mg

Metrological parameters	
Tare range	-220 g
Standard repeatability [5% Max]	0,01 mg
Standard repeatability [Max]	0,06 mg
Standard minimum weight (USP)	20 mg
Standard minimum weight (U=1%, k=2)	2 mg
Permissible repeatability [5% Max]	0,02 mg
Permissible repeatability [Max]	0,1 mg
Linearity	±0,05/0,2 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	manual
Display	5" graphic color touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply, fabric dust cover .
Weighing chamber dimensions	190×190×222 mm
Weighing pan dimensions	ø90 + ø85 (option) mm
Packaging dimensions	550×455×565 mm
Net weight	7,3 kg
Gross weight	9,3 kg
Protection class	IP 43
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
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
 Holders for laboratory flasks
 Barcode scanners
 Cigarette lighter receptacle power supply cables
 Density determination KIT
 USB cable (scale - printer)
 Receipt Printer
 Professional weighing table

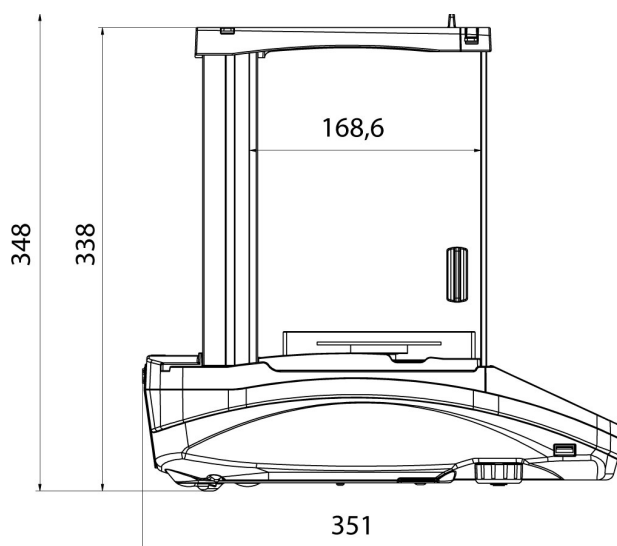
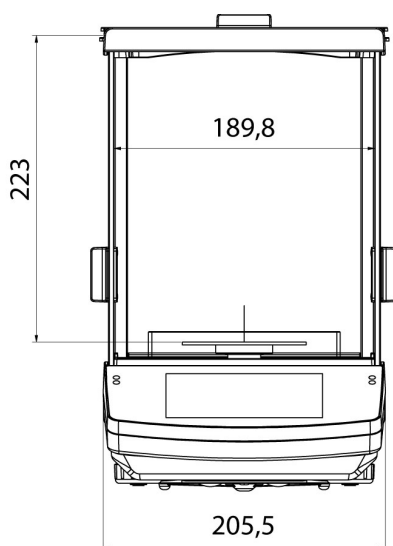
Holders for test tubes and filters
 Workstation for Pipettes Calibration
 Displays
 Protective cover for balances
 Antistatic ionizer
 RS 232, RS 485 cables
 Under-Pan Weighing Rack
 RS 232 cables (scale - printer)

Software

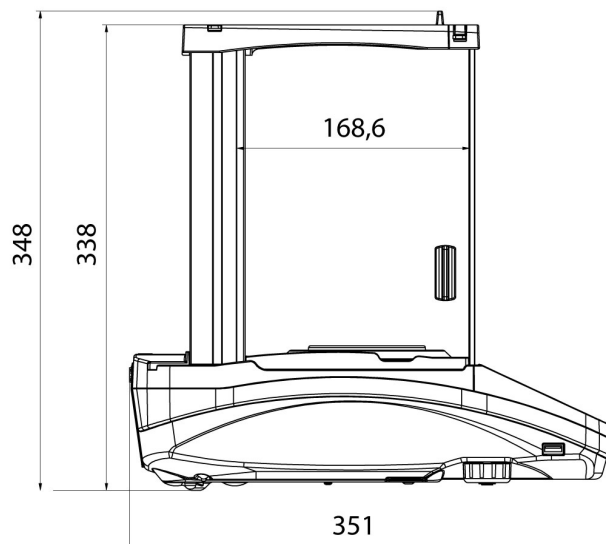
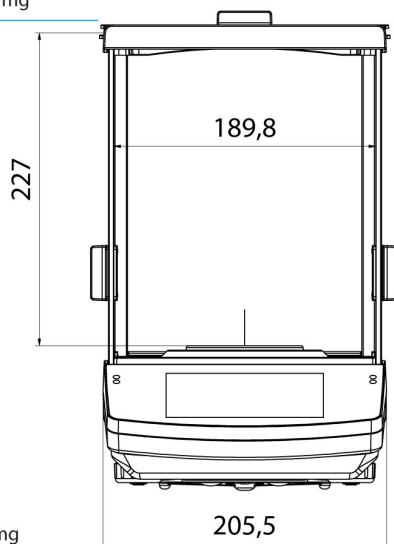
RAD-KEY
 Alibi Reader
 RADWAG Development Studio
 R.Barcode

LabVIEW Driver
 R-LAB
 E2R System

Device dimensions



AS X2 PLUS, d = 0.01 mg



AS X2 PLUS, d = 0.1 mg