



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

AS 82/220.X2 PLUS Analytical Balance

WL-104-1050



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

Functions



Autotest



Dosing



Plus/Minus Control



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

Maximum capacity [Max]	82 / 220 g
Minimum load	1 mg
Readability [d]	0,01 / 0,1 mg
Verification unit [e]	1 mg

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	semi-automatic – LevelSENSING
Display	5" graphic color touchscreen
Weighing chamber doors	manual
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 open-work pan + ø85 (option) mm
Packaging dimensions W x D x H	545×455×575 mm
Net weight	7,14 kg
Gross weight	10,5 kg
Construction	
Protection class	IP 43
Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
Features of use	
Touch-free operation	2 IR Sensors
Communication interface	2×RS232 ¹ , 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet
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
Operating temperature	+10 – +40 °C
Ambient conditions monitoring (option)	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.



Additional fee for verification



Accessories (Additional Fee)

Holders for laboratory flasks

Power Adapters

Cigarette lighter receptacle power supply cables

Density determination KIT

USB cable (scale - printer)

Professional Weighing Tables

Barcode scanners

Holders for test tubes and filters

Workstation for pipettes calibration

RS 232, RS 485 cables

THBR 2.0 System - Ambient Conditions Monitoring

Displays

Protective cover for balances

Weighing dishes

Antistatic ionizer

Receipt Printer

Additional modules

Under-pan weighing

RS 232 cables (scale - printer)

RS 232 – RS 485 Converter

Software (Additional Fee)

• RAD Key [WX-010-0005]

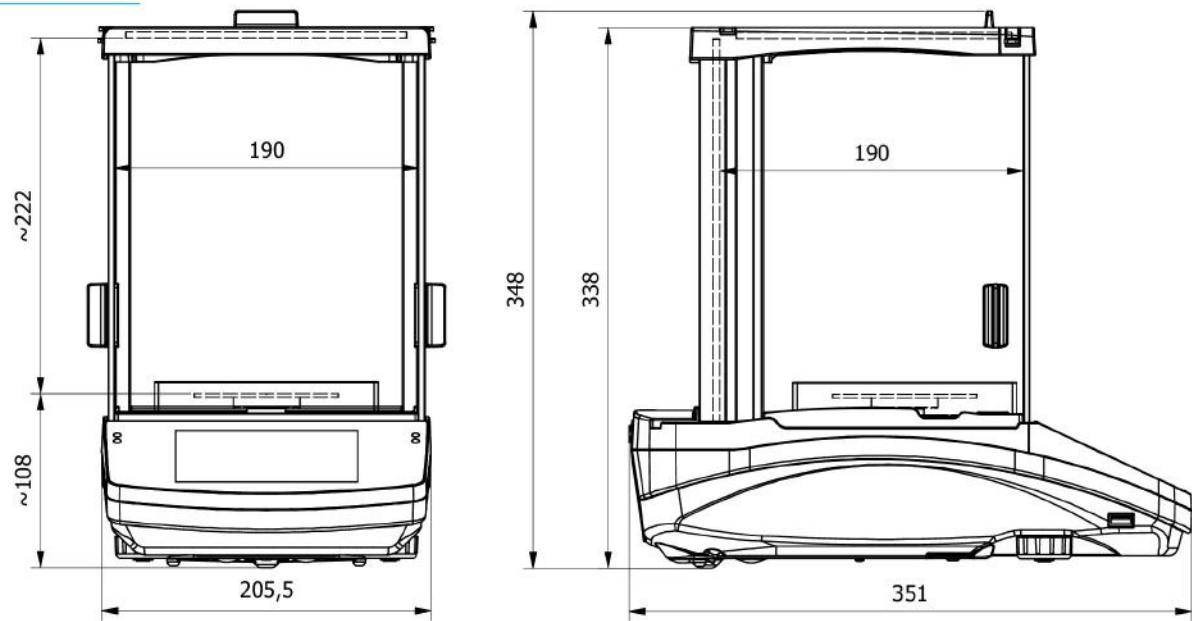
• Scale Editor - EWAG 2.1 [WX-010-0173]

• Alibi Reader PC Software [WX-010-0114]

• RADWAG Development Studio [WX-010-0104]

Device dimensions W x D x H

AS X2 PLUS, d = 0.01 mg



AS X2 PLUS, d = 0.1 mg

