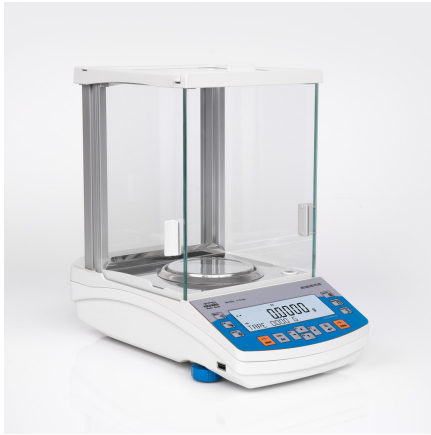




AS 220.R1 PLUS Analytical Balance, AS 120.R1 PLUS Analytical Balance

More information on the website
radwag.com/en/info,w1,W7Q



AS 220.R1 PLUS Analytical Balance



AS 120.R1 PLUS Analytical Balance

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

Functions



Autotest



Dosing



Percent Weighing



Totalizing



Parts counting



Peak hold



Newton unit
measurement



Statistics



Checkweighing



Under-pan weighing



GLP Procedures



Animal weighing



Density determination

Datasheet

	AS 120.R1 PLUS Analytical Balance	AS 220.R1 PLUS Analytical Balance
Metrological parameters		
Maximum capacity [Max]	120 g	220 g
Minimum load	10 mg	10 mg
Readability [d]	0,1 mg	0,1 mg
Tare range	-120 g	-220 g
Standard repeatability [5% Max]	0,06 mg	0,07 mg
Standard repeatability [Max]	0,08 mg	0,08 mg
Standard minimum weight (USP)	120 mg	140 mg
Standard minimum weight (U=1%, k=2)	12 mg	14 mg
Permissible repeatability [5% Max]	0,09 mg	0,09 mg
Permissible repeatability [Max]	0,1 mg	0,1 mg
Linearity	±0,2 mg	±0,2 mg
Stabilization time	2 s	2 s
Adjustment	external	external
OIML Class	-	-
Physical parameters		
Leveling system	manual	manual
Display	LCD (backlit)	LCD (backlit)
Weighing chamber doors	manual	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.	Balance, weighing pan, weighing pan shield, bottom cover, power supply.
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm	ø100 mm
Packaging dimensions	490×400×520 mm	490×400×520 mm
Net weight	7,3 kg	7,3 kg
Gross weight	9,3 kg	9,3 kg
Construction		
Protection class	IP 43	IP 43
Communication interface		
Communication interface	2×RS232, 2×USB-A (interchangeable), USB-B, Wi-Fi (option)	2×RS232, 2×USB-A (interchangeable), USB-B, Wi-Fi (option)
Electrical parameters		
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max
Environmental conditions		
Operating temperature	+10 – +40 °C	+10 – +40 °C
Relative humidity	40% – 80%	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.

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



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

Antivibration Tables
 Displays
 Weighing dishes
 Antistatic ionizer
 Receipt Printer
 AP2-1 Current Loop Unit
 RS 232, RS 485 cables
 Under-pan weighing
 RS 232 cables (scale - printer)

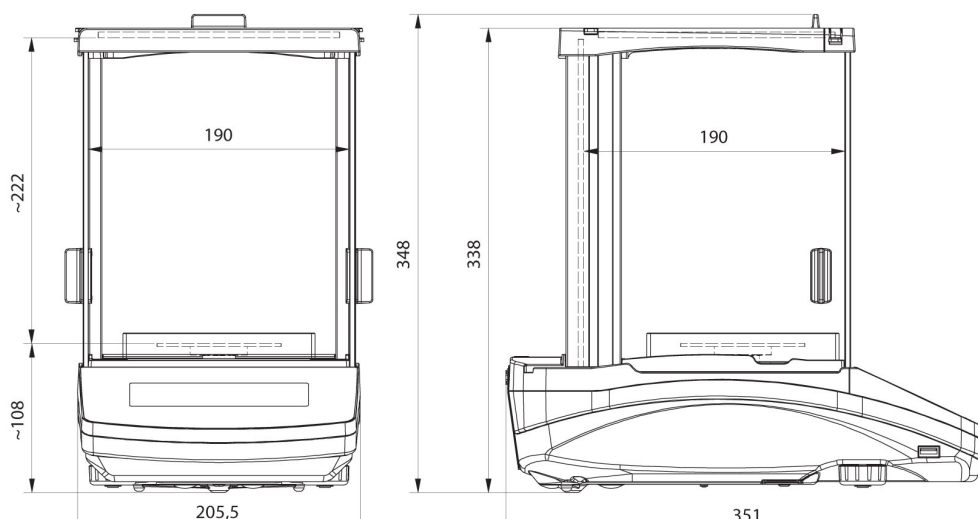
Software (Additional Fee)

RAD-KEY
 Alibi Reader
 RADWAG Development Studio

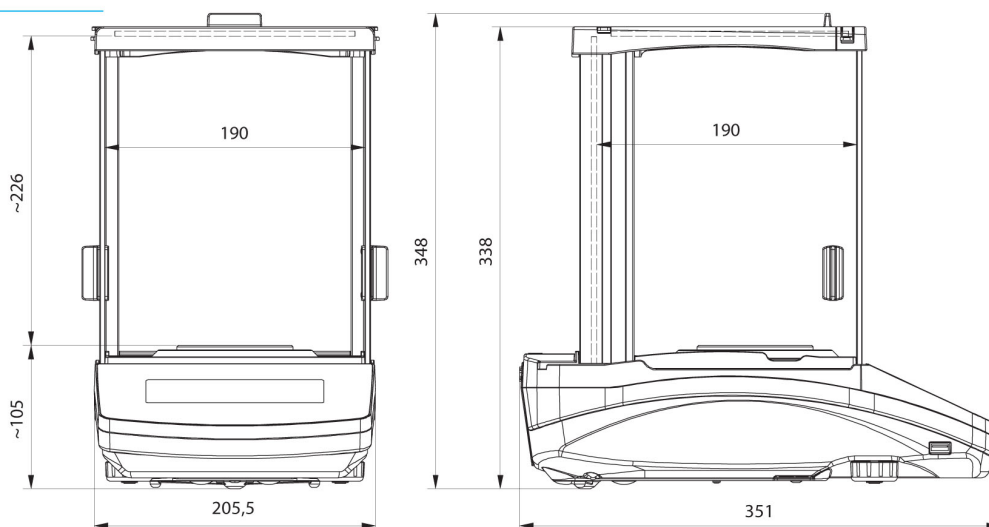
R Panel
 R-LAB

Device dimensions

AS 220.R1 PLUS Analytical Balance, AS 120.R1 PLUS Analytical Balance



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg