



More information on the website  
[radwag.com/en/info,w1,W7Q](http://radwag.com/en/info,w1,W7Q)

# 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

Metrological parameters	
Maximum capacity [Max]	120 g
Minimum load	10 mg
Readability [d]	0.1 mg
Tare range	-120 g
Standard repeatability [5% Max]	0.06 mg
Standard repeatability [Max]	0.08 mg

<b>Metrological parameters</b>	
Standard minimum weight (USP)	120 mg
Standard minimum weight (U=1%, k=2)	12 mg
Permissible repeatability [5% Max]	0.09 mg
Permissible repeatability [Max]	0.1 mg
Linearity	±0.2 mg
Stabilization time	2 s
Adjustment	external
OIML Class	-
<b>Physical parameters</b>	
Leveling system	manual
Display	LCD (backlit)
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm
Packaging dimensions	490×400×520 mm
Net weight	7.3 kg
Gross weight	9.3 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×RS232, 2×USB-A (interchangeable), USB-B, Wi-Fi (option)
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.4A max
<b>Environmental conditions</b>	
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.

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



## Accessories

### Power Adapters

Cigarette lighter receptacle power supply cables

Density determination KIT

USB cable (scale - printer)

Professional Weighing Tables

Barcode scanners

Workstation for Pipettes Calibration

RS 232, RS 485 cables

### Displays

Weighing dishes

Antistatic ionizer

Receipt Printer

AP2-1 Current Loop Unit

RS 232, RS 485 cables

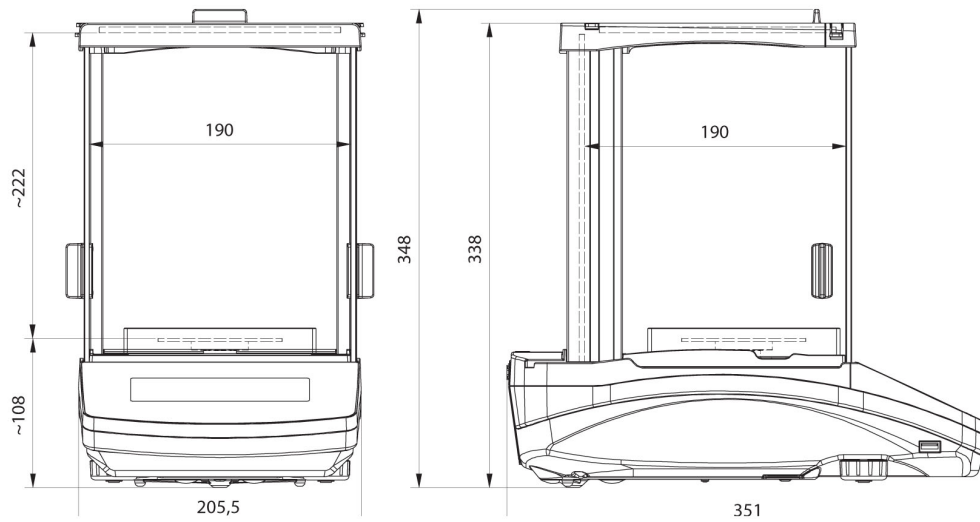
Under-pan weighing

RS 232 cables (scale - printer)

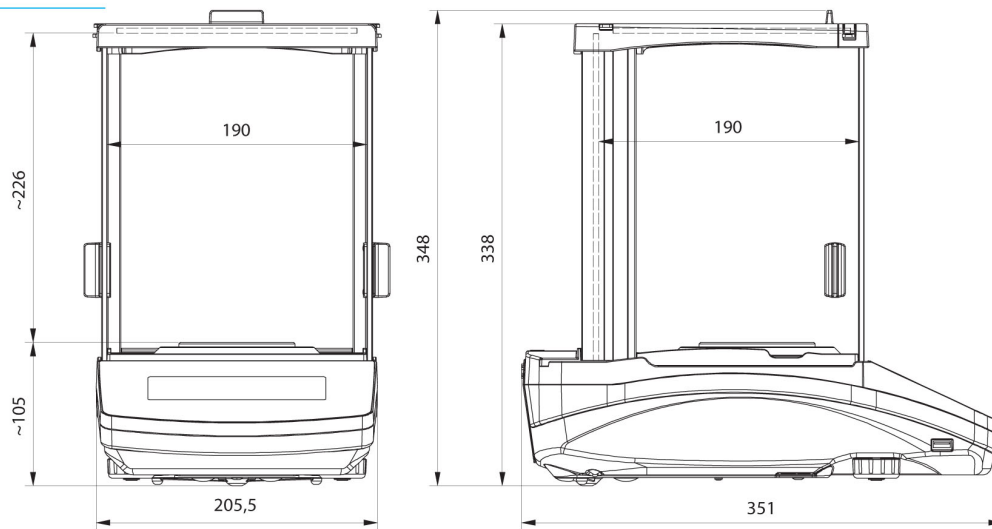
## Software

- RAD Key [WX-010-0005]
- Alibi Reader [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]
- R-Panel [WX-010-0187]
- R-Lab [WX-010-0080]

## Device dimensions



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg