



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)
Protection class	IP 43
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing pan dimensions	ø100 mm
Packaging dimensions	495×400×515 mm
Net weight	7,3 kg
Gross weight	9,3 kg
<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

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

Holders for laboratory flasks  
 Barcode scanners  
 Cigarette lighter receptacle power supply cables  
 Density determination KIT  
 USB cable (scale - printer)  
 Professional weighing table  
 Holders for test tubes and filters  
 Workstation for Pipettes Calibration  
 Power Adapters  
 Antivibration Tables

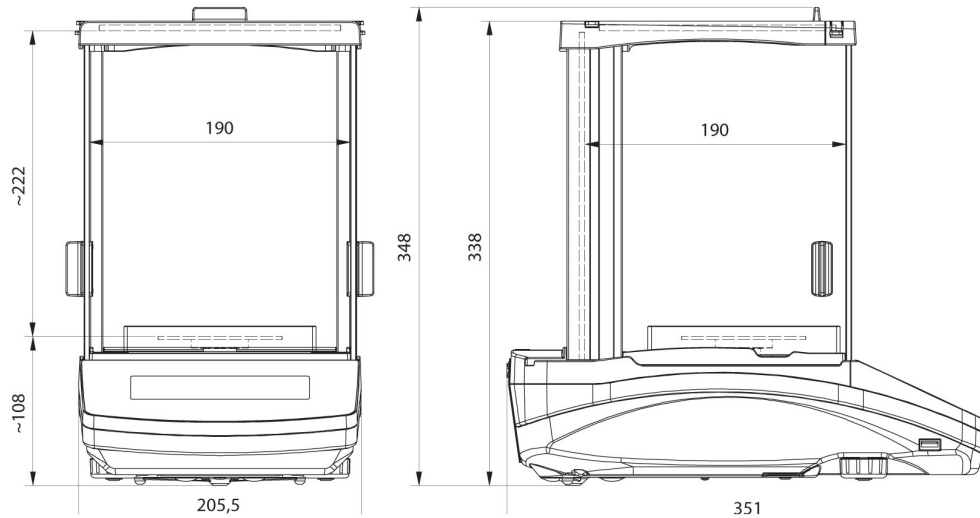
Displays  
 Weighing dishes  
 Antistatic ionizer  
 Receipt Printer  
 AP2-1 Current Loop Unit  
 RPANEL BOX  
 RS 232, RS 485 cables  
 Under-Pan Weighing Rack  
 RS 232 cables (scale - printer)  
 Under-pan weighing

# Software

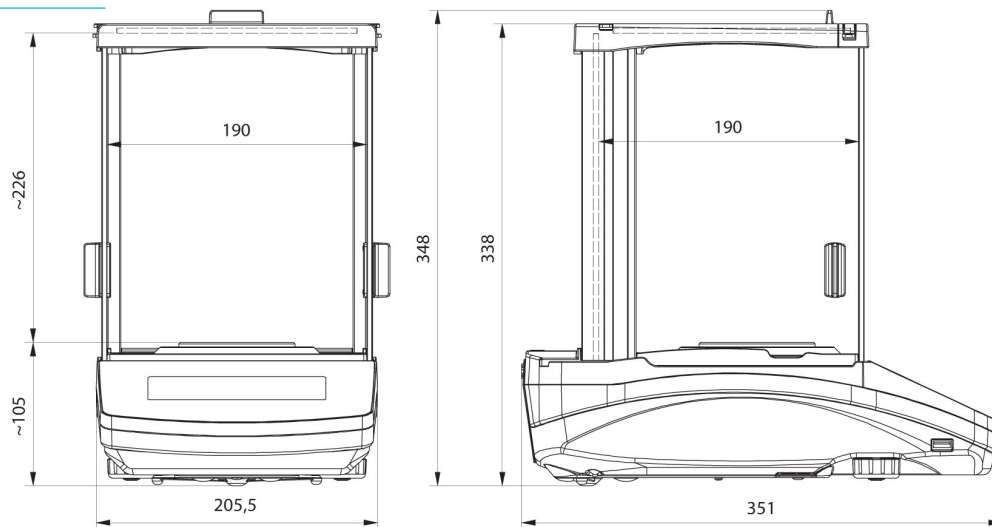
RAD-KEY  
R Panel  
R-LAB  
E2R System

LabVIEW Driver  
Alibi Reader  
RADWAG Development Studio  
R.Barcode

# Device dimensions



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg