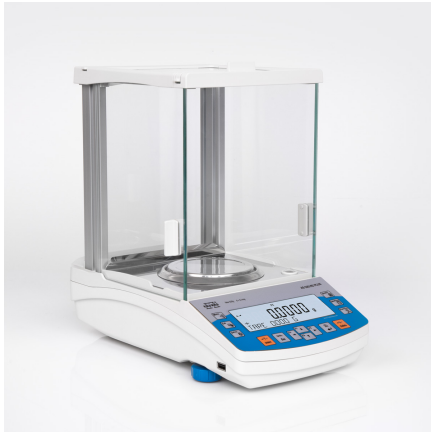




### AS 220.R2 PLUS Analytical Balance

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



AS 220.R2 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 220.R2 PLUS Analytical Balance	
<b>Metrological parameters</b>	
Maximum capacity [Max]	220 g
Minimum load	10 mg
Readability [d]	0,1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Standard repeatability [5% Max]	0,07 mg
Standard repeatability [Max]	0,08 mg
Standard minimum weight (USP)	140 mg
Standard minimum weight (U=1%, k=2)	14 mg
Permissible repeatability [5% Max]	0,09 mg
Permissible repeatability [Max]	0,1 mg
Linearity	±0,2 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	manual
Display	LCD (backlit)
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, bottom cover, power supply.
Weighing pan dimensions	ø100 mm
Packaging dimensions	490×400×520 mm
Net weight	6,95 kg
Gross weight	9 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×RS232 <sup>1</sup> , 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
Power consumption max.	3 W
<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. 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)

Antivibration Tables  
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  
Displays  
Protective cover for balances  
Weighing dishes  
Antistatic ionizer  
Receipt Printer  
RS 232, RS 485 cables  
Under-pan weighing  
RS 232 cables (scale - printer)

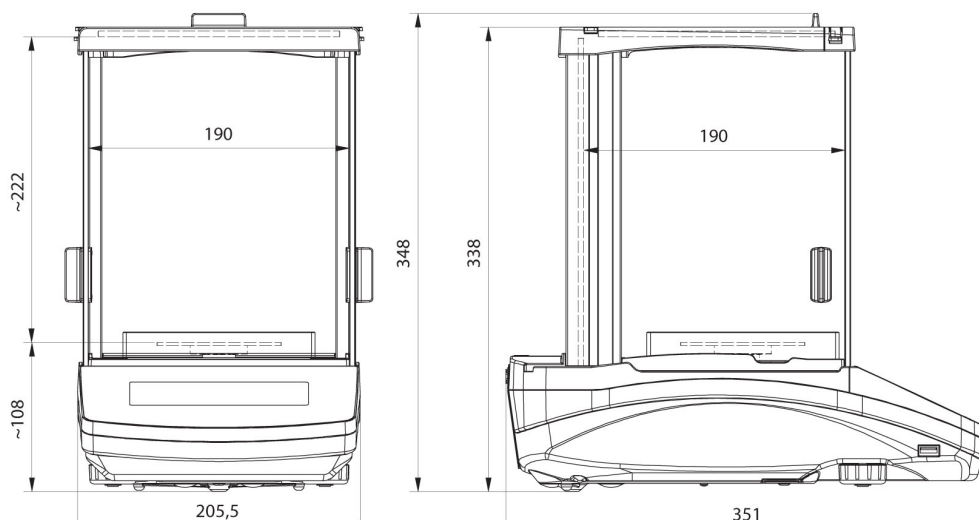
## Software (Additional Fee)

RAD-KEY  
Alibi Reader  
RADWAG Development Studio

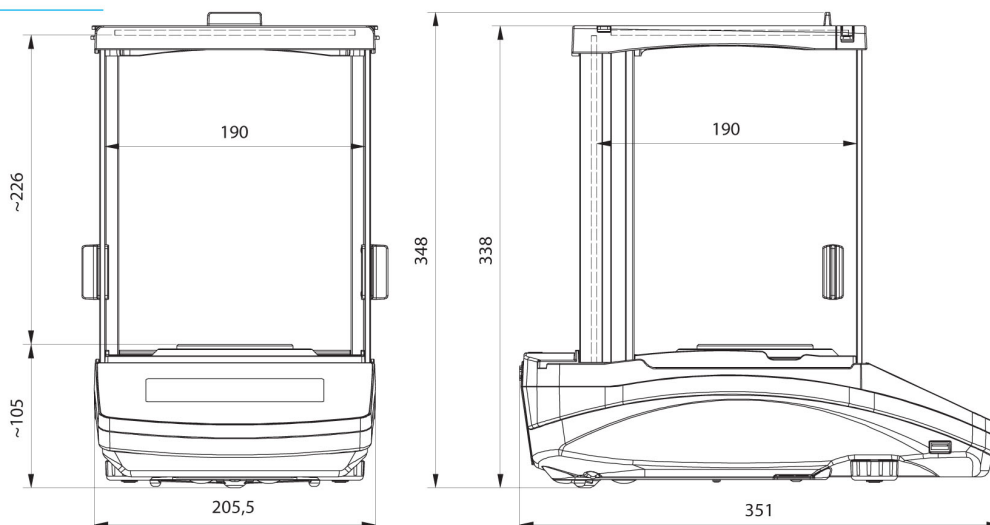
R Panel  
R-LAB

## Device dimensions

AS 220.R2 PLUS Analytical Balance



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg