



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

# AS 220.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]	220 g
Minimum load	10 mg
Readability [d]	0.1 mg
Tare range	-220 g
Standard repeatability [5% Max]	0.07 mg
Standard repeatability [Max]	0.08 mg

Metrological parameters	
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	external
OIML Class	-
Physical parameters	
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	7.3 kg
Gross weight	9.3 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	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
Environmental conditions	
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

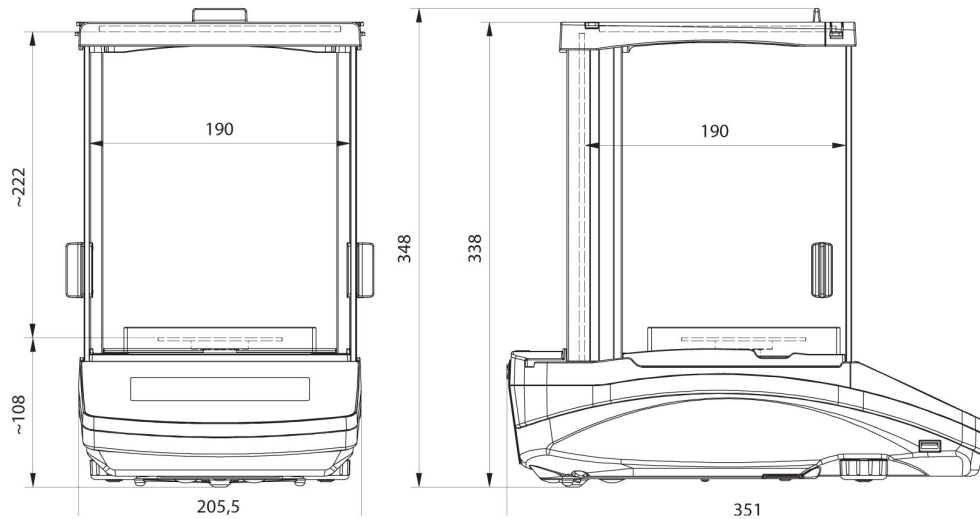
Holders for laboratory flasks  
 Power Adapters  
 Cigarette lighter receptacle power supply cables  
 Density determination KIT  
 USB cable (scale - printer)  
 Professional Weighing Tables  
 Barcode scanners  
 Holders for test tubes and filters

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

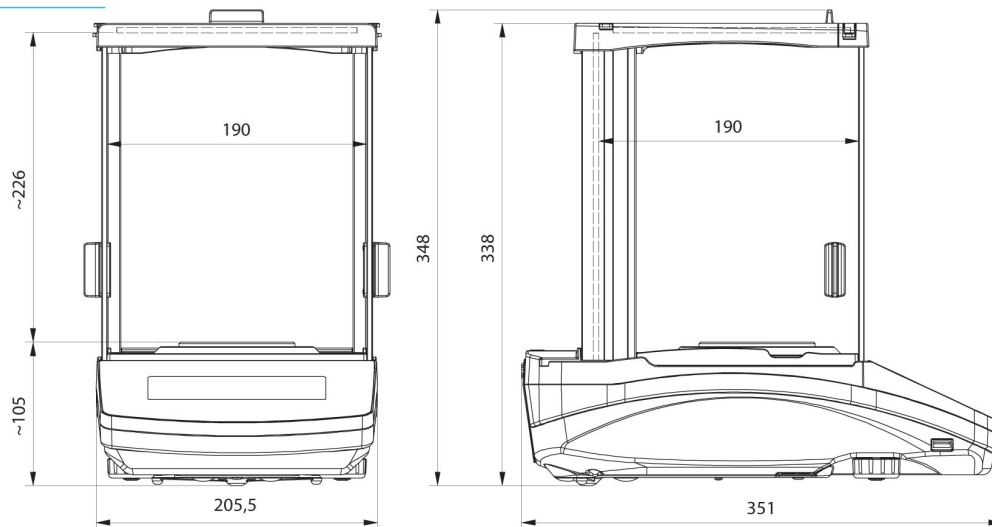
## Software

- 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