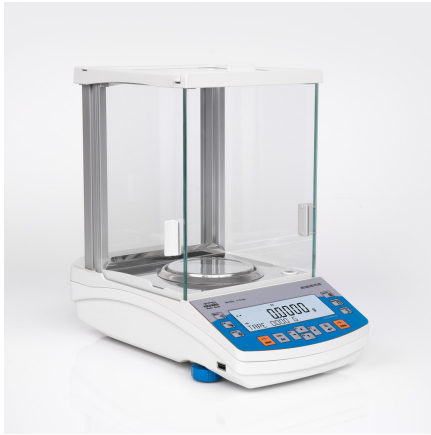




AS 520.R2 PLUS Analytical Balance

More information on the website  
[radwag.com/en/info,w1,N7Z](http://radwag.com/en/info,w1,N7Z)



AS 520.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 520.R2 PLUS Analytical Balance
<b>Metrological parameters</b>	
Maximum capacity [Max]	520 g
Minimum load	-
Readability [d]	0,1 mg
Verification scale interval [e]	-
Tare range	-520 g
Standard repeatability [5% Max]	0,08 mg
Standard repeatability [Max]	0,25 mg
Standard minimum weight (USP)	160 mg
Standard minimum weight (U=1%, k=2)	16 mg
Permissible repeatability [5% Max]	0,12 mg
Permissible repeatability [Max]	0,4 mg
Linearity	±0,6 mg
Stabilization time	2,5 s
Adjustment	internal (automatic)
OIML Class	-
<b>Physical parameters</b>	
Leveling system	manual
Display	LCD (backlit)
Protection class	IP 43
Delivery components	Balance, weighing pan, weighing pan shield, 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 <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

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.



## Accessories

Holders for laboratory flasks  
Barcode scanners

Displays  
Protective cover for balances

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

Weighing dishes  
 Antistatic ionizer  
 Receipt Printer  
 RPANEL BOX  
 RS 232, RS 485 cables  
 Under-Pan Weighing Rack  
 RS 232 cables (scale - printer)

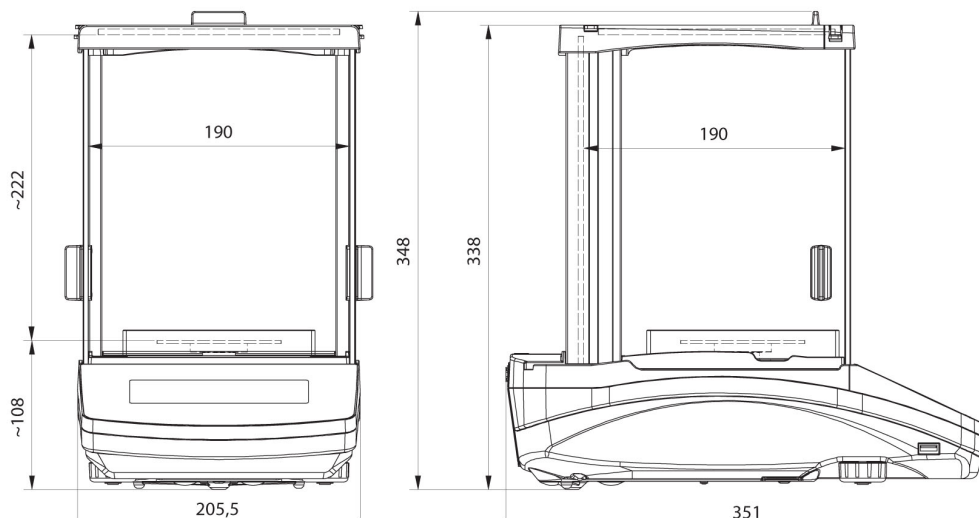
## Software

RAD-KEY  
 R Panel  
 R-LAB  
 E2R System

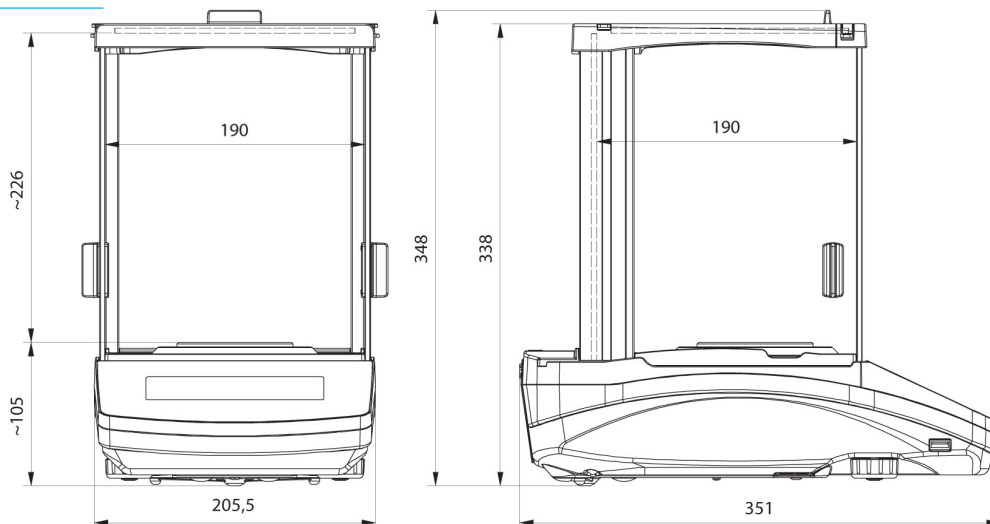
LabVIEW Driver  
 Alibi Reader  
 RADWAG Development Studio  
 R.Barcode

## Device dimensions

AS 520.R2 PLUS Analytical Balance



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg