



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

# AS 520.R2 PLUS Analytical Balance



## Functions



Autotest



Dosing



Percent Weighing



Totalizing



Parts counting



Peak hold



Newton unit measurement



Statistics



Checkweighing



GLP Procedures



Animal weighing



Density determination

## Datasheet

Metrological parameters	
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

<b>Metrological parameters</b>	
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>	
Levelling system	manual
Display	LCD (backlit)
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
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

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  
 Cigarette lighter receptacle power supply cables  
 Density determination KIT  
 USB cable (scale - printer)  
 Receipt Printer  
 Professional weighing table  
 Holders for test tubes and filters  
 Workstation for Pipettes Calibration

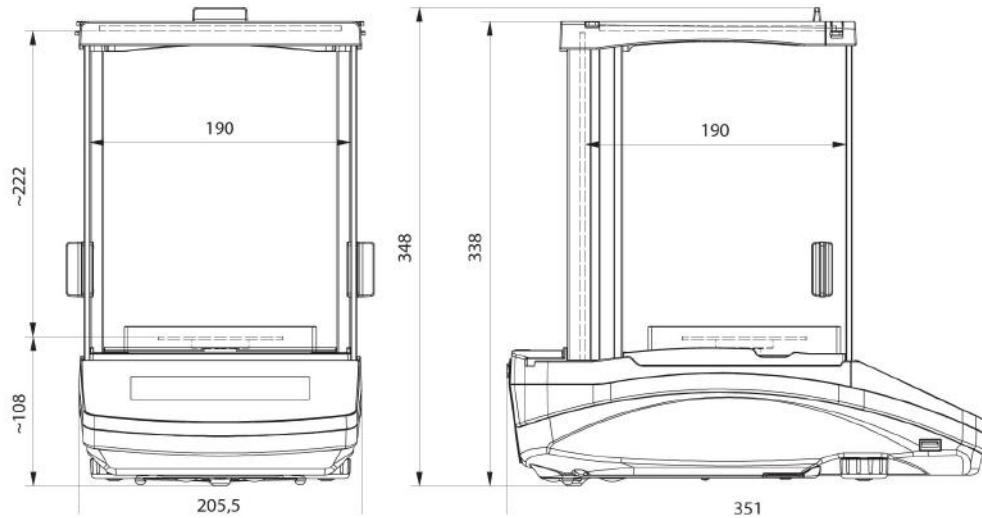
Antivibration Tables  
 Displays  
 Protective cover for balances  
 Antistatic ionizer  
 AP2-1 Current Loop Unit  
 RPANEL BOX  
 RS 232, RS 485 cables  
 Under-Pan Weighing Rack  
 RS 232 cables (scale - printer)

# Software

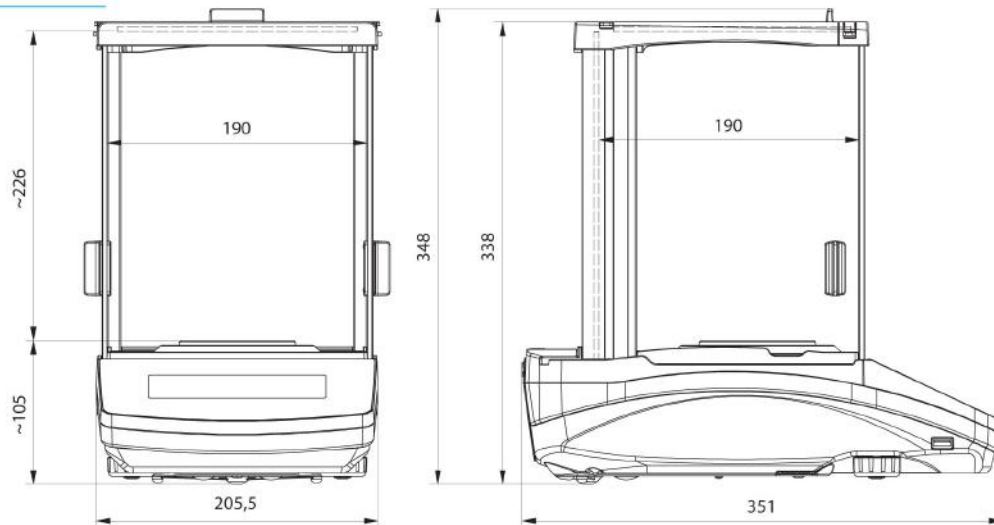
RAD-KEY  
R Panel  
R-LAB  
E2R System

LabVIEW Driver  
Alibi Reader  
RADWAG Development Studio  
R.Barcode

# Device dimensions



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg