

# 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

Metrological parameters	
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	-

Physical parameters	
Leveling system	manual
Display	LCD (backlit)
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing pan dimensions	ø90 open-work pan + ø85 (option) 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

### Power Adapters

Cigarette lighter receptacle power supply cables

Density determination KIT

USB cable (scale - printer)

Professional Weighing Tables

Barcode scanners

Workstation for Pipettes Calibration

RS 232, RS 485 cables

### Displays

Weighing dishes

Antistatic ionizer

Receipt Printer

AP2-1 Current Loop Unit

RS 232, RS 485 cables

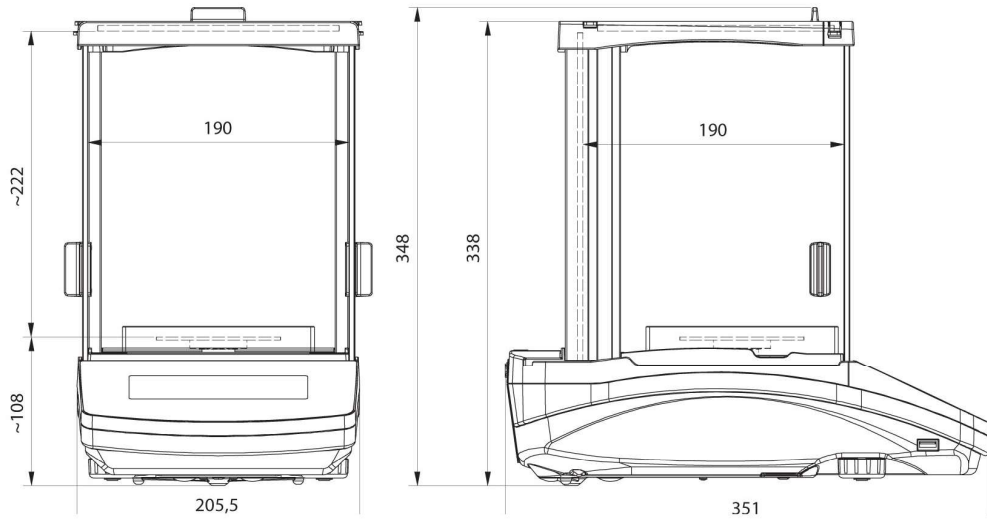
Under-pan weighing

RS 232 cables (scale - printer)

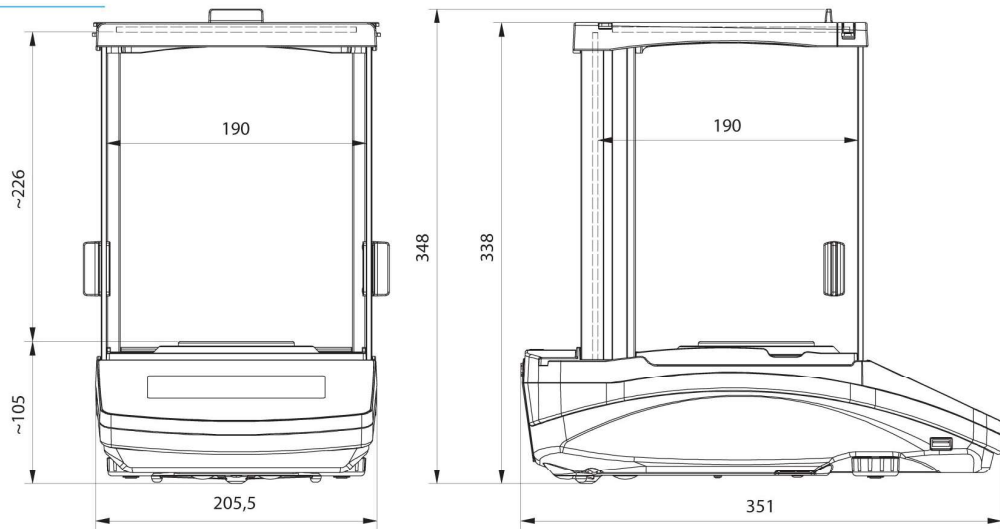
## Software

- 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

