AS 220.R2 PLUS Analytical Balance

WL-104-0177

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
Verification unit [e]	1 mg
Tare range	-220 g
Minimum weight (USP)	140 mg

Metrological parameters	
Minimum weight (U=1%, k=2)	14 mg
Standard repeatability [Max]	0.08 mg
Standard repeatability [5% Max]	0.07 mg
Permissible repeatability [Max]	0.1 mg
Permissible repeatability [5% Max]	0.09 mg
Linearity	±0.2 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	I

Physical parameters	
Leveling system	manual
Display	5.3" 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 W x D x H	490×400×520 mm
Net weight	7 kg
Gross weight	9 kg

Construction	
Protection class	IP 43

Communication interface	
Communication interface	2×RS232[1], 2×USB-A (interchangeable), USB-B, Wi-Fi (option)

Electrical parameters	
Power consumption max.	3 W

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.
* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.
[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.

CE M Additional fee for verification 2 YEARS

Accessories (Additional Fee)

Antivibration Tables	Balance Storage Case
Holders for laboratory flasks	RS 232, RS 485 cables
Power Adapters	Displays
Cigarette lighter receptacle power supply cables	Protective cover for balances

Density determination KIT
USB cable (scale - printer)
Professional Weighing Tables
Barcode scanners
Holders for test tubes and filters
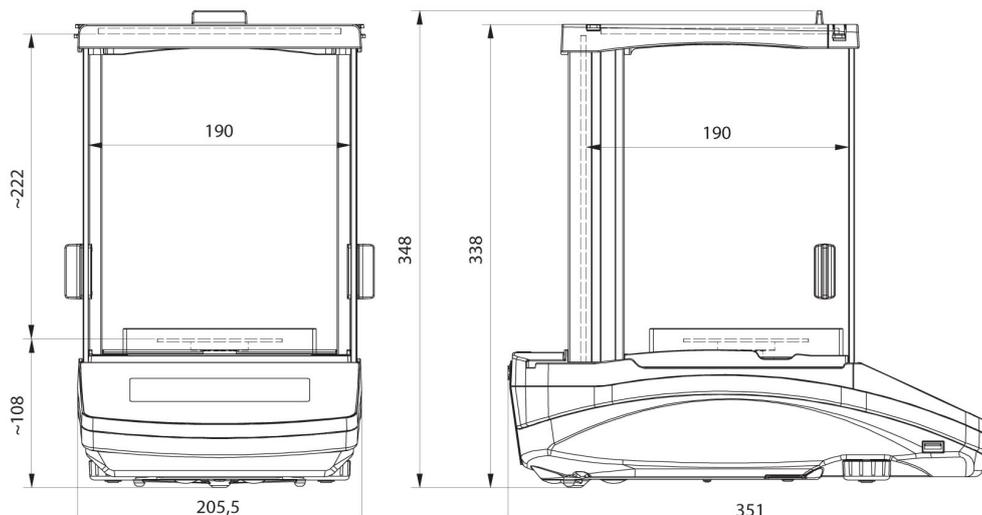Workstation for Pipettes Calibration

Weighing dishes
Antistatic ionizer
Receipt Printer
Under-pan weighing
RS 232 cables (scale - printer)
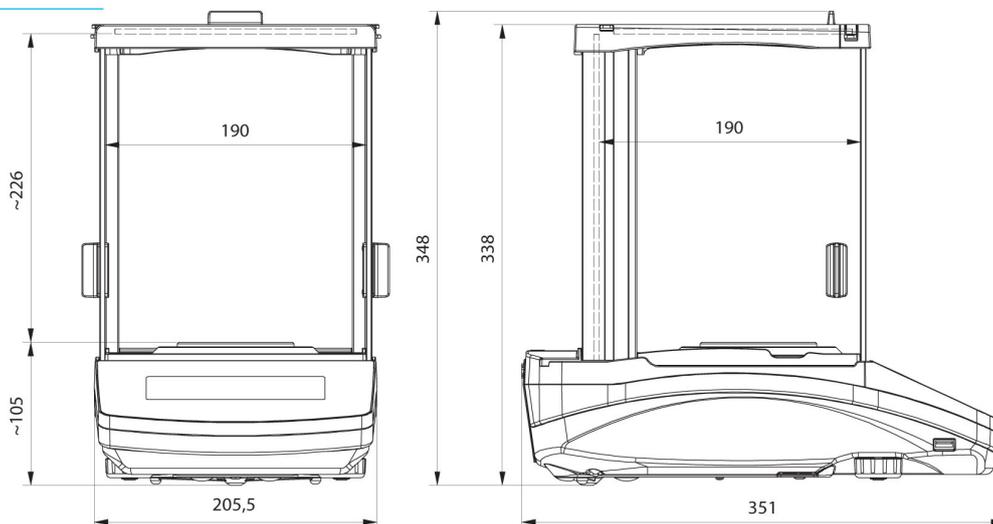
Software (Additional Fee)

• 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 W x D x H

AS R2, d = 0.01 mg

AS R2, AS R1 d = 0.1 mg