AS 520.R2 PLUS Analytical Balance

WL-104-0186

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]	520 g
Minimum load	-
Readability [d]	0.1 mg
Verification unit [e]	-
Tare range	-520 g
Standard repeatability [5% Max]	0.08 mg

Metrological parameters	
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	-

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	7.3 kg
Gross weight	8.5 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 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

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.

[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 (Additional Fee)

Antivibration Tables	Workstation for Pipettes Calibration
Holders for laboratory flasks	RS 232, RS 485 cables
Power Adapters	Displays

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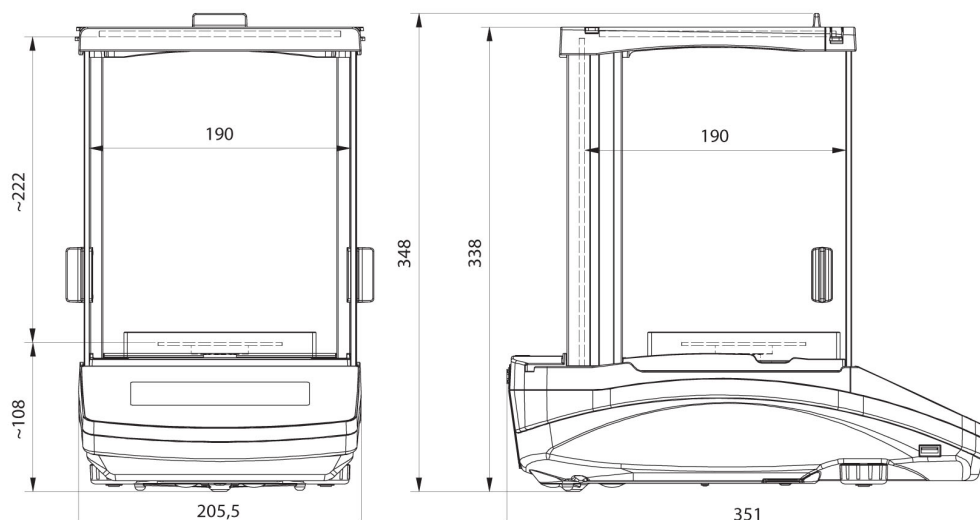Barcode scanners
Holders for test tubes and filters

Protective cover for balances
Weighing dishes
Antistatic ionizer
Receipt Printer
Under-pan weighing
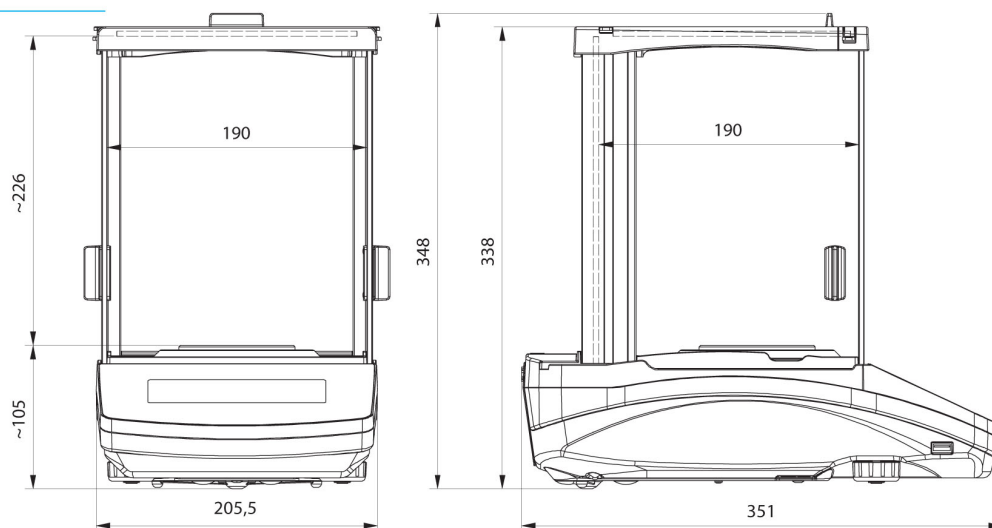RS 232 cables (scale - printer)

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