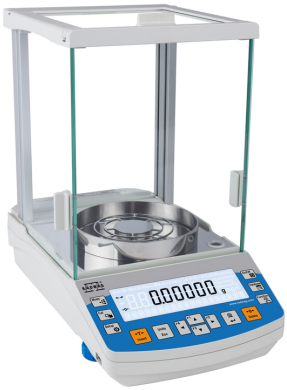
AS 310.R2 PLUS Analytical Balance, AS 520.R2 PLUS Analytical Balance, AS 60/220.R2 PLUS Analytical Balance, AS 220.R2 PLUS Analytical Balance

AS 310.R2 PLUS Analytical Balance
AS 520.R2 PLUS Analytical Balance
AS 220.R2 PLUS Analytical Balance



AS 60/220.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

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Datasheet

	AS 60/220.R2 PLUS Analytical Balance	AS 220.R2 PLUS Analytical Balance	AS 310.R2 PLUS Analytical Balance
Metrological parameters			
Maximum capacity [Max]	60 / 220 g	220 g	310 g
Minimum load	1 mg	10 mg	10 mg
Readability [d]	0,01 / 0,1 mg	0,1 mg	0,1 mg
Verification scale interval [e]	1 mg	1 mg	1 mg
Tare range	-220 g	-220 g	-310 g
Standard repeatability [5% Max]	0,012 mg	0,07 mg	0,08 mg
Standard repeatability [Max]	0,08 mg	0,08 mg	0,12 mg
Standard minimum weight (USP)	24 mg	140 mg	160 mg
Standard minimum weight (U=1%, k=2)	2,4 mg	14 mg	16 mg
Permissible repeatability [5% Max]	0,02 mg	0,09 mg	0,12 mg
Permissible repeatability [Max]	0,1 mg	0,1 mg	0,15 mg
Linearity	±0,05/0,2 mg	±0,2 mg	±0,2 mg
Stabilization time	2 s	2 s	2,5 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	I	I	I
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Protection class	IP 43	IP 43	IP 43
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply, fabric dust cover.	Balance, weighing pan, weighing pan shield, bottom cover, power supply.	Balance, weighing pan, weighing pan shield, bottom cover, power supply.
Weighing pan dimensions	ø90 + ø85 (option) mm	ø100 mm	ø100 mm
Packaging dimensions	455×575×545 mm	495×400×515 mm	495×400×515 mm
Net weight	7 kg	7,3 kg	7,3 kg
Gross weight	10 kg	9,3 kg	9,3 kg
Communication interface			
Communication interface	2×RS232[1], 2×USB-A (interchangeable), USB-B, Wi-Fi (option)	2×RS232[1], 2×USB-A (interchangeable), USB-B, Wi-Fi (option)	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	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max
Power consumption max.	3 W	3 W	3 W
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+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.

Datasheet

	AS 520.R2 PLUS Analytical Balance
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
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	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
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

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

Antivibration Tables
Holders for laboratory flasks
Displays
Protective cover for balances

Barcode scanners
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

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

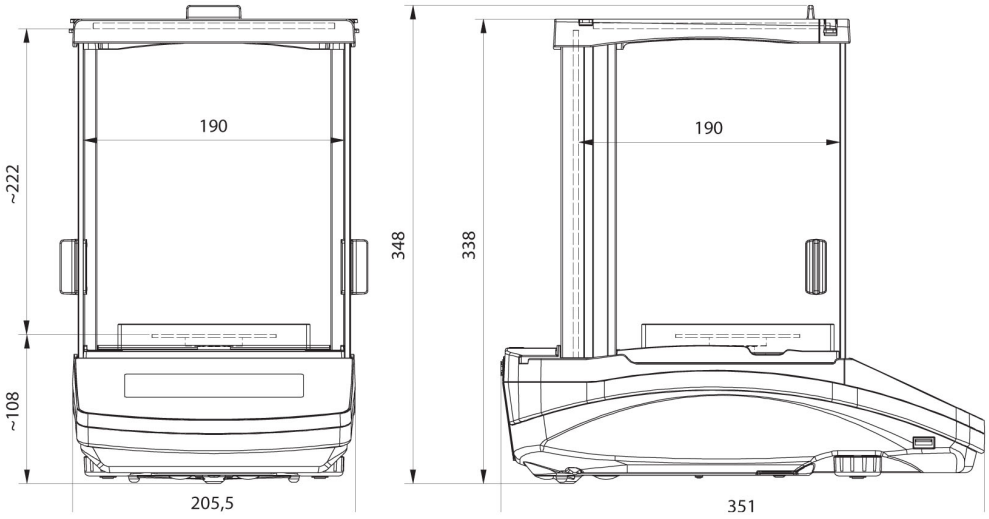
Software

RAD-KEY
R Panel
R-LAB
E2R System

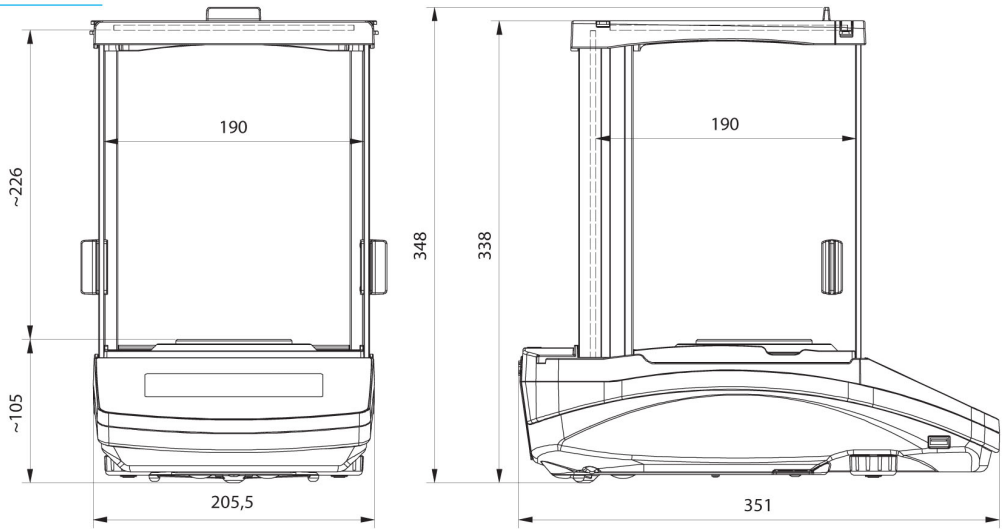
LabVIEW Driver
Alibi Reader
RADWAG Development Studio
R.Barcode

Device dimensions

AS 310.R2 PLUS Analytical Balance, AS 520.R2 PLUS Analytical Balance, AS 60/220.R2 PLUS Analytical Balance, AS 220.R2 PLUS Analytical Balance



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg

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