AS 120.X2 PLUS Analytical Balance
WL-104-0190
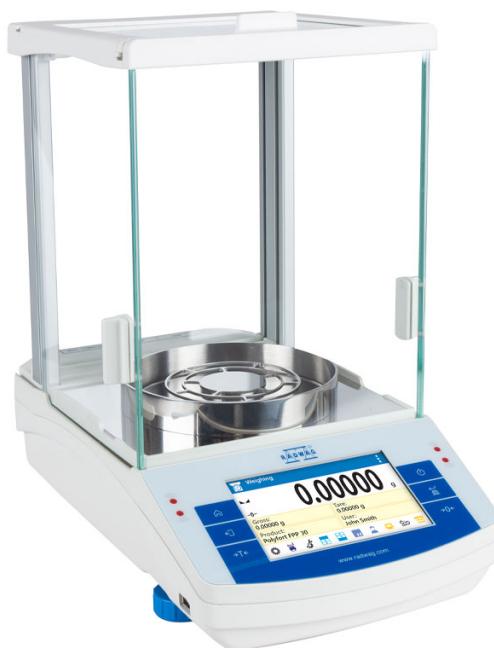
The drawings, photos and graphics used are for illustrative purposes only.

Functions

Autotest	Dosing	Plus/Minus Control	Percent Weighing
Parts counting	Peak hold	Formulation	Newton unit measurement
Statistics	Checkweighing	IR sensors	GLP Procedures
Animal weighing	Density determination	Ambient conditions monitoring	Replaceable unit
Statistical Quality Control	ALIBI Memory	Mass for titrator	Wi-Fi

Datasheet

Maximum capacity [Max]	120 g
Minimum load	1 mg
Readability [d]	0,01 mg
Verification unit [e]	1 mg

Tare range	-120 g
Standard repeatability [5% Max]	0,01 mg
Standard repeatability [Max]	0,025 mg
Standard minimum weight (USP)	20 mg
Standard minimum weight (U=1%, k=2)	2 mg
Permissible repeatability [5% Max]	0,02 mg
Permissible repeatability [Max]	0,04 mg
Linearity	±0,07 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	I

Physical parameters

Leveling system	semi-automatic – LevelSENSING
Display	5" graphic color touchscreen
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, osłona weighing pans, centring ring, bottom cover, power supply, fabric dust cover.
Weighing chamber dimensions	190×190×222 mm
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm
Packaging dimensions	545×455×575 mm
Net weight	7,3 kg
Gross weight	9,3 kg

Construction

Protection class	IP 43
Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory

Features of use

Touch-free operation	2 IR Sensors
Communication interface	2×RS232[1], 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max
Power consumption max.	4 W
Operating temperature	+10 – +40 °C
Ambient conditions monitoring (option)	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
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
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
THBR 2.0 System - Ambient Conditions Monitoring

Displays
Protective cover for balances
Weighing dishes
Antistatic ionizer
Receipt Printer
RS 232, RS 485 cables
Additional modules
Under-pan weighing
RS 232 cables (scale - printer)
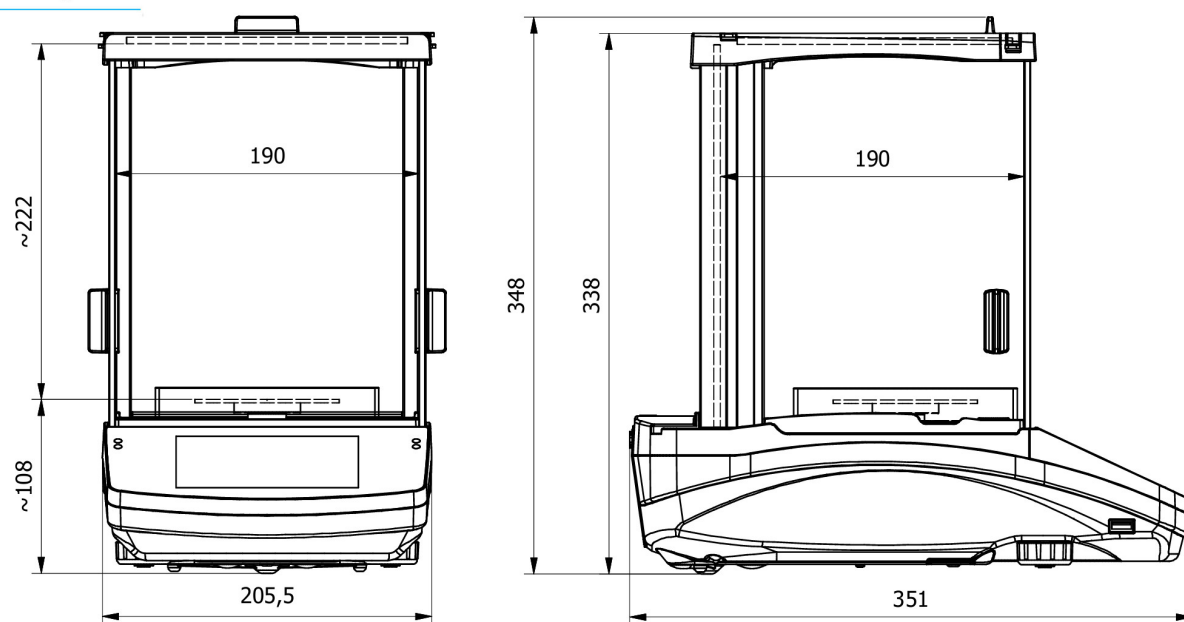RS 232 – RS 485 Converter

Software (Additional Fee)

• RAD Key [WX-010-0005]
• Scale Editor - EWAG 2.1 [WX-010-0173]

• Alibi Reader PC Software [WX-010-0114]
• RADWAG Development Studio [WX-010-0104]

Device dimensions

AS X2 PLUS, d = 0.01 mg

~222
190
190
348
338
~108
205,5
351

AS X2 PLUS, d = 0.1 mg

~226
190
190
348
338
~105
205,5
351