AS 160.R2 PLUS Analytical Balance
WL-104-0176
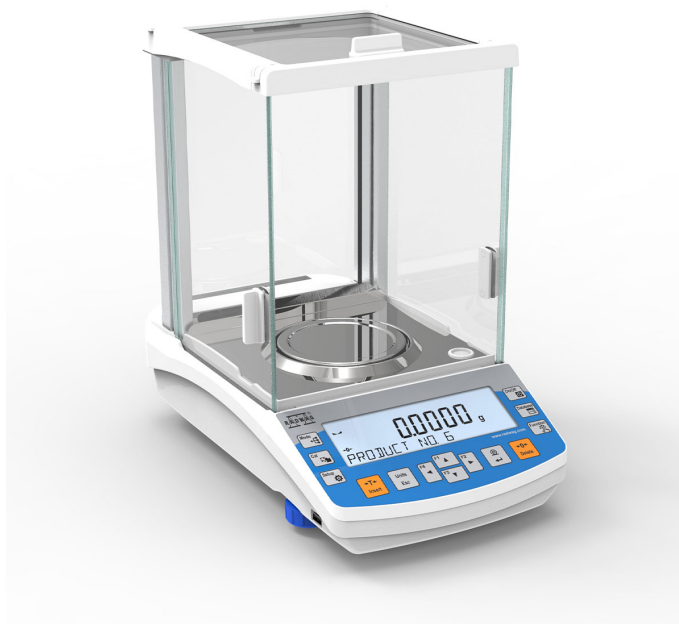
The drawings, photos and graphics used are for illustrative purposes only.

Functions

⚙ Autotest	💧 Dosing	% Percent Weighing	Σ Totalizing
⠿ Parts counting	MAX🔒 Peak hold	⚖ Newton unit measurement	▬ Statistics
-OK+ Checkweighing	⚓ Under-pan weighing	GLP GLP Procedures	🐁 Animal weighing
ρ Density determination			

Datasheet

Metrological parameters	
Maximum capacity [Max]	160 g
Minimum load	10 mg
Readability [d]	0.1 mg
Verification unit [e]	1 mg
Tare range	-160 g
Standard repeatability [5% Max]	0.07 mg

Metrological parameters	
Standard repeatability [Max]	0.08 mg
Standard minimum weight (USP)	140 mg
Standard minimum weight (U=1%, k=2)	14 mg
Permissible repeatability [5% Max]	0.09 mg
Permissible repeatability [Max]	0.1 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, centring ring, 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 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
Overvoltage protection	YES

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.

CE M   Additional fee for verification   3 YEARS

Accessories (Additional Fee)

Antivibration Tables	RS 232, RS 485 cables

Holders for laboratory flasks
Power Adapters
Cigarette lighter receptacle power supply cables
Density determination KIT
USB cable (scale - printer)
Professional Weighing Tables
Barcode scanners
Holders for test tubes and filters
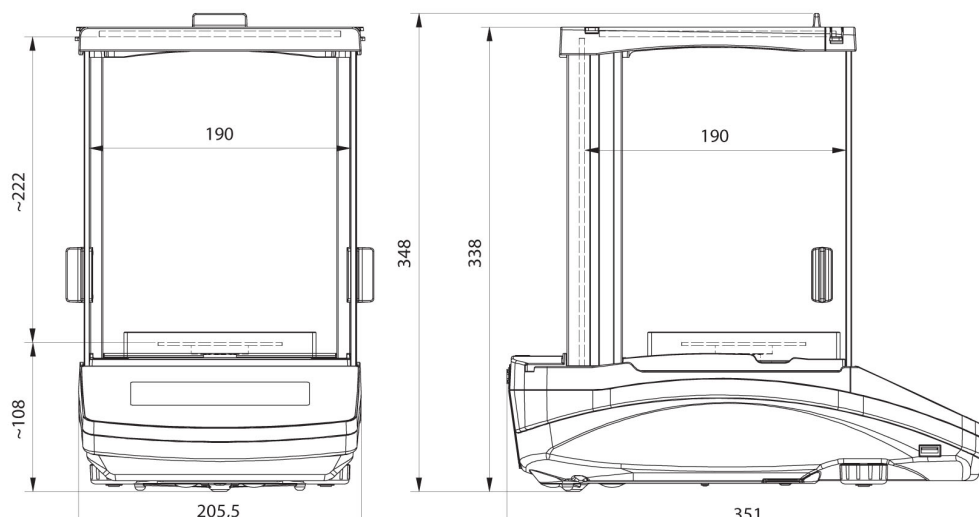Workstation for Pipettes Calibration

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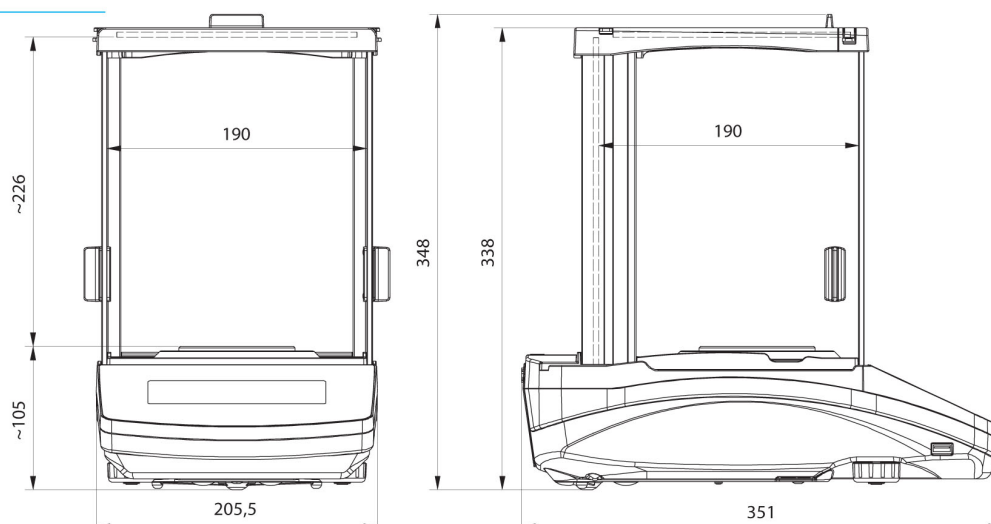RS 232 cables (scale - printer)

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