radwag.com

AS 160.R2 PLUS Analytical Balance

More information on the website
radwag.com/en/info,w1,QM0

AS 160.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

Datasheet

	AS 160.R2 PLUS Analytical Balance
Metrological parameters	
Maximum capacity [Max]	160 g
Minimum load	10 mg
Readability [d]	0,1 mg
Verification scale interval [e]	1 mg
Tare range	-160 g
Standard repeatability [5% Max]	0,07 mg
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	LCD (backlit)
Protection class	IP 43
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, 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
Overvoltage protection	YES
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

Holders for laboratory flasks

Displays

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
Antivibration Tables

Protective cover for balances
Weighing dishes
Antistatic ionizer
Receipt Printer
RPANEL BOX
RS 232, RS 485 cables
Under-Pan Weighing Rack
RS 232 cables (scale - printer)

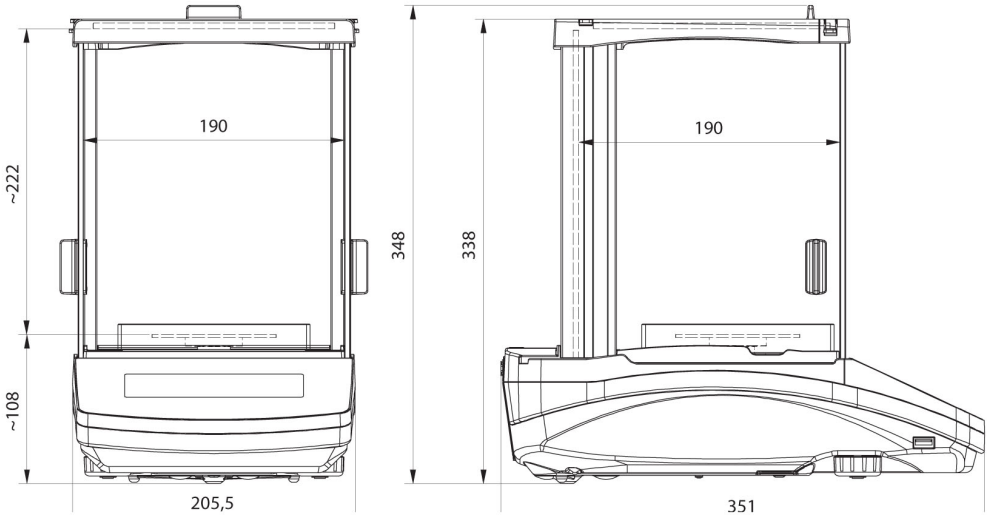
Software

RAD-KEY
R Panel
R-LAB
E2R System

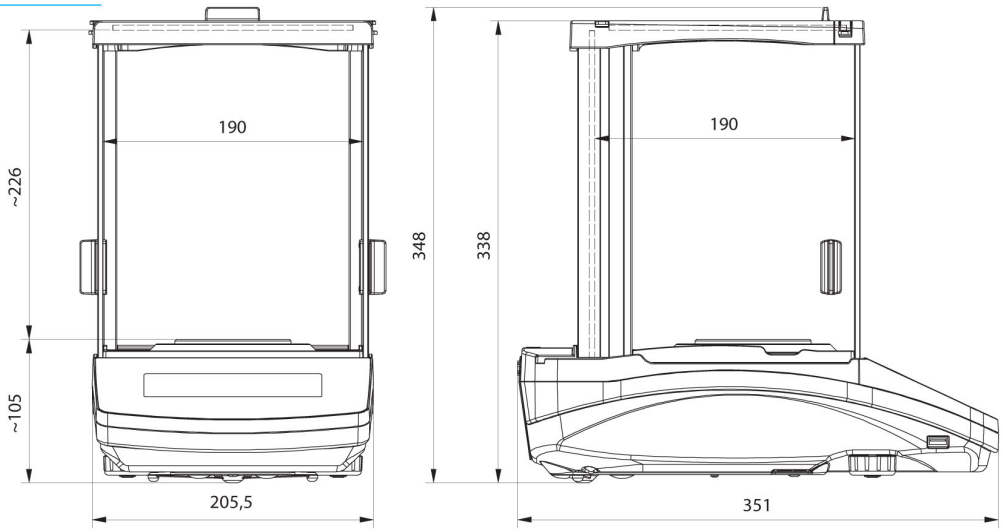
LabVIEW Driver
Alibi Reader
RADWAG Development Studio
R.Barcode

Device dimensions

AS 160.R2 PLUS Analytical Balance



AS R2, d = 0.01 mg



AS R2, AS R1 d = 0.1 mg