



# PS 8100.R2.M Precision Balance

WL-212-0132

More information on the website  
[mirror.radwag.com/en/info,w1,3YL](http://mirror.radwag.com/en/info,w1,3YL)



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]	8100 g
Minimum load	500 mg
Readability [d]	10 mg
Verification unit [e]	100 mg
Tare range	-8100 g
Minimum weight (USP)	10 g

Metrological parameters	
Minimum weight (U=1%, k=2)	1 g
Standard repeatability [Max]	10 mg
Standard repeatability [5% Max]	5 mg
Linearity	±20 mg
Stabilization time	1.5 s
Adjustment	internal (automatic)
OIML Class	II
Sensitivity temperature drift	$2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
Physical parameters	
Leveling system	manual
Display	5.3" LCD (backlit)
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions W x D x H	333×206×107 mm
Packaging dimensions W x D x H	475×380×345 mm
Net weight	4.33 kg
Gross weight	5.5 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×RS232 <sup>1</sup> , USB-A, USB-B, Wi-Fi (option)
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1.2A Balance: 12 – 15V DC 0.7A max; 3 – 5.5W*
Power consumption	4 W
Environmental conditions	
Operating temperature	+10 – +40 °C
Storage temperature	-20 – +50 °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.

\* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.

<sup>1</sup> 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.



Additional fee for verification



## Accessories (Additional Fee)

Balance Storage Case  
Antivibration Tables

Displays  
Density determination KIT

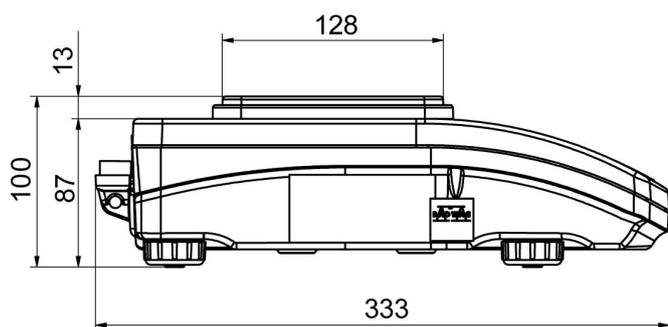
Power Adapters  
 Cigarette lighter receptacle power supply cables  
 USB cable (scale - printer)  
 Barcode scanners  
 RS 232, RS 485 cables

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

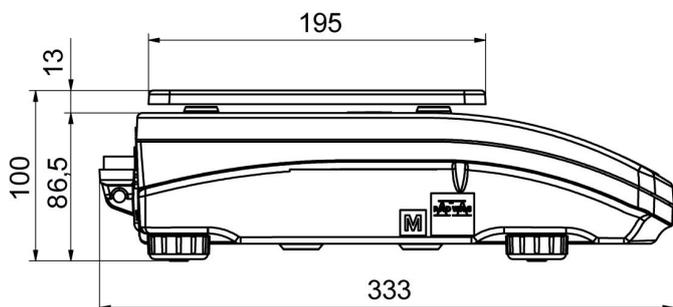
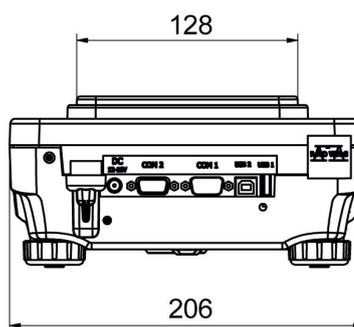
## Software (Additional Fee)

- 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]

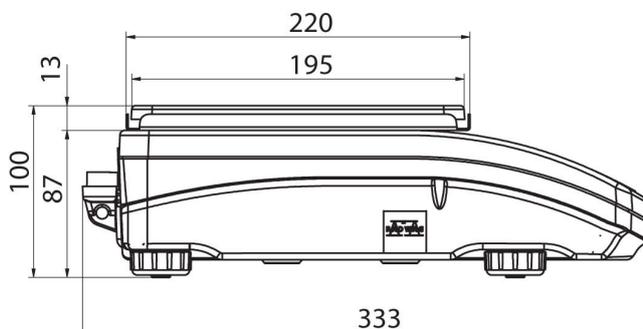
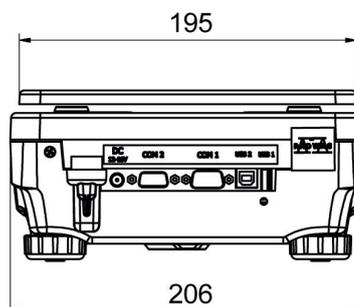
## Device dimensions W x D x H



PS R, d = 1 mg



PS R, d = 10 mg



PS R.M, d = 10 mg

