



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

# PS 6100.R1.M Precision 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



GLP Procedures



Animal weighing



Density determination

## Datasheet

Metrological parameters	
Maximum capacity [Max]	6100 g
Minimum load	0.5 g
Readability [d]	0.01 g
Tare range	-6100 g
Repeatability (Max)	0.008 g
Repeatability (5% Max)	0.005 g
Linearity	±0.03 g

<b>Metrological parameters</b>	
Stabilization time	1.5 s
Adjustment	external
Sensitivity temperature drift	$2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
<b>Physical parameters</b>	
Leveling system	manualny
Display	LCD (backlit)
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195x195 mm
Device dimensions	333x206x107 mm
Packaging dimensions	475x380x345 mm
Net weight	4.5 kg
Gross weight	5.5 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2xRS232 <sup>1</sup> , USB-A, USB-B, Wi-Fi (option)
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.4A max
Power consumption	4 W
<b>Environmental conditions</b>	
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.

<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.



## Accessories

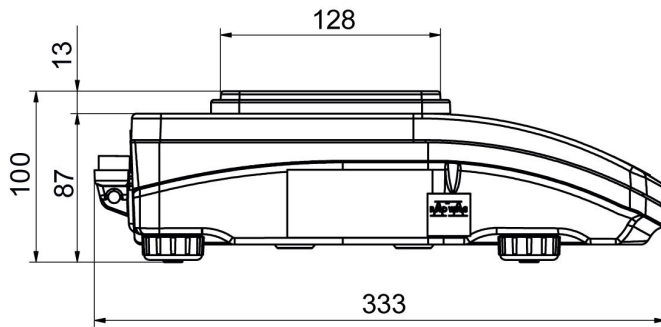
Balance Storage Case  
Antivibration Tables  
Power Adapters  
Cigarette lighter receptacle power supply cables  
USB cable (scale - printer)  
Barcode scanners  
RS 232, RS 485 cables

Displays  
Density determination KIT  
Protective cover for balances  
Receipt Printer  
RS 232, RS 485 cables  
Under-pan weighing  
RS 232 cables (scale - printer)

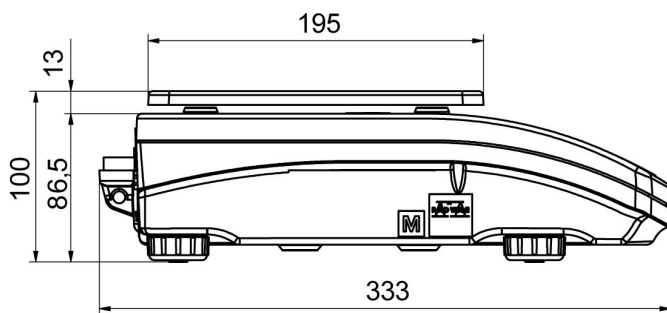
# Software

- 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]

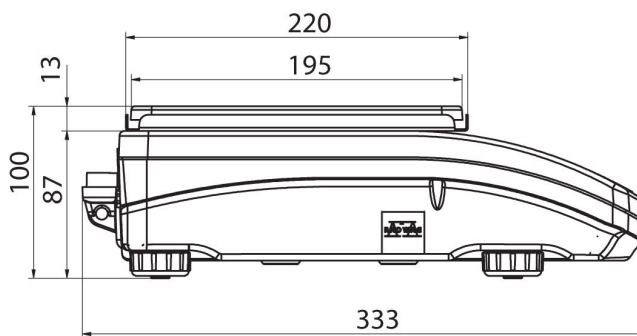
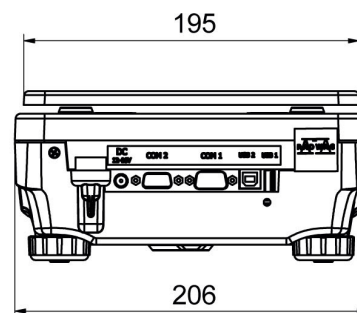
# Device dimensions



PS R, d = 1mg



PS R, d = 10 mg



PS R.M, d = 10 mg

