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

Metrological parameters	
Stabilization time	1.5 s
Adjustment	external
Sensitivity temperature drift	$2\times10^{-6}/°C\times Rt$

Physical parameters	
Leveling system	manual
Display	LCD (backlit)
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions	333x206x107 mm
Packaging dimensions	475×380×345 mm
Net weight	4.5 kg
Gross weight	5.5 kg

Construction	
Protection class	IP 43

Communication interface	
Communication interface	2×RS232[1], USB-A, 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	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.

[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.
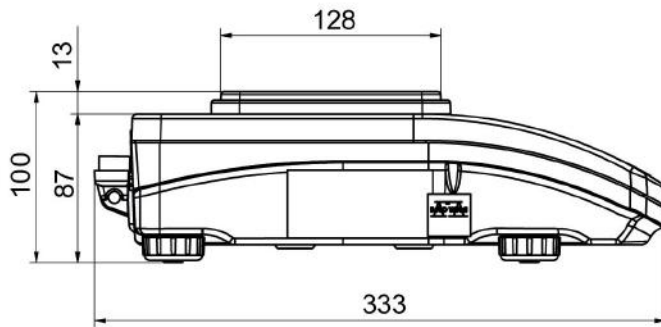
Accessories

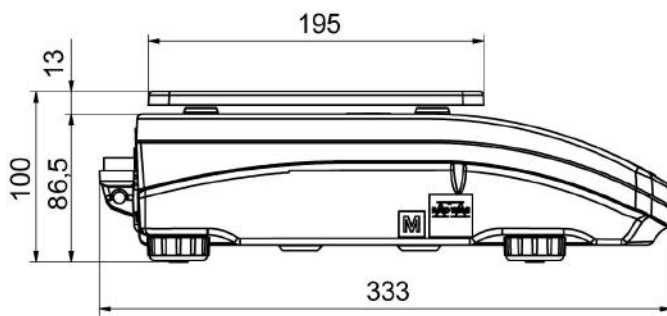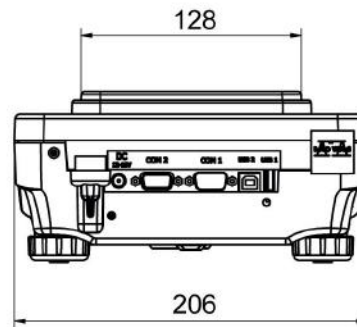|	
Balance Storage Case	Displays
Antivibration Tables	Density determination KIT
Power Adapters	Protective cover for balances
Cigarette lighter receptacle power supply cables	Receipt Printer
USB cable (scale - printer)	RS 232, RS 485 cables
Barcode scanners	Under-pan weighing
RS 232, RS 485 cables	RS 232 cables (scale - printer)

Software

- RAD Key [WX-010-0005]
- Alibi Reader [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]

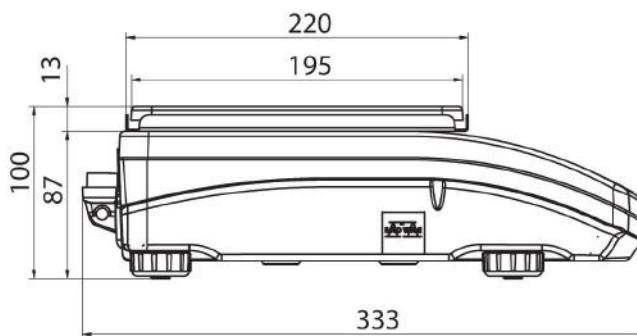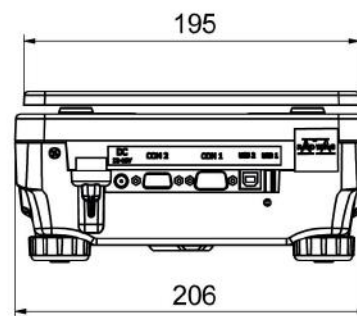- R-Panel [WX-010-0187]
- R-Lab [WX-010-0080]

Device dimensions

PS R, d = 1mg

PS R, d = 10 mg

PS R.M, d = 10 mg