



PS 10100.R2.M Precision Balance

More information on the website
radwag.com/en/info/w1,0TW



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
 Checkweighing	 GLP Procedures	 Animal weighing	 ρ Density determination

Datasheet

Metrological parameters	
Maximum capacity [Max]	10100 g
Minimum load	-
Readability [d]	10 mg
Verification unit [e]	-
Tare range	-10100 g
Standard repeatability [5% Max]	8 mg
Standard repeatability [Max]	12 mg

Metrological parameters	
Standard minimum weight (USP)	10 g
Standard minimum weight ($U=1\%$, $k=2$)	1 g
Linearity	$\pm 20 \text{ mg}$
Stabilization time	1.5 s
Adjustment	internal (automatic)
OIML Class	-
Sensitivity temperature drift	$2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
Physical parameters	
Leveling system	manual
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
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2xRS232 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
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables

Displays
Density determination KIT
Protective cover for balances
Receipt Printer

USB cable (scale - printer)
Barcode scanners
RS 232, RS 485 cables

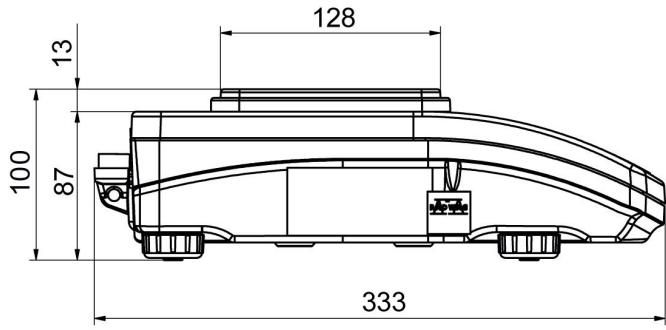
RS 232, RS 485 cables
Under-pan weighing
RS 232 cables (scale - printer)

Software

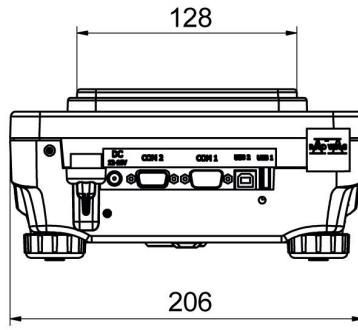
- RAD Key [WX-010-0005]
- Alibi Reader [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]

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

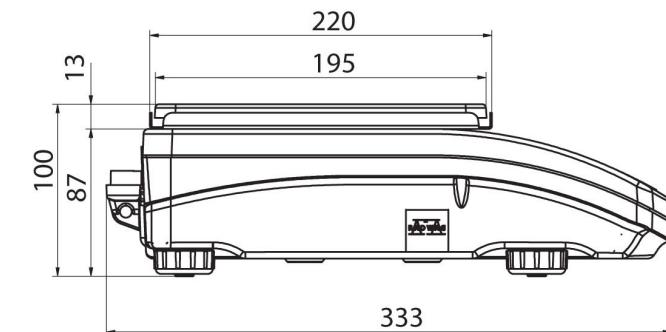
Device dimensions



PS R, d = 1mg



PS R, d = 10 mg



PS R.M, d = 10 mg

