



More information on the website  
[radwag.com/en/info,w1,9P0](http://radwag.com/en/info,w1,9P0)

# PS 4500.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]	4500 g
Minimum load	0,5 g
Readability [d]	0,01 g
Tare range	-4500 g
Repeatability (Max)	0,008 g
Repeatability (5% Max)	0,005 g
Linearity	±0,02 g

Metrological parameters	
Stabilization time	1,5 s
Adjustment	external
Sensitivity temperature drift	$2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
Physical parameters	
Leveling system	manual
Display	LCD (backlit)
Protection class	IP 43
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions	333×206×107 mm
Packaging dimensions	465×370×290 mm
Net weight	4,5 kg
Gross weight	6 kg
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; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max
Power consumption max.	4 W
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  
Power Adapters  
Barcode scanners  
Cigarette lighter receptacle power supply cables  
USB cable (scale - printer)  
Displays  
Density determination KIT

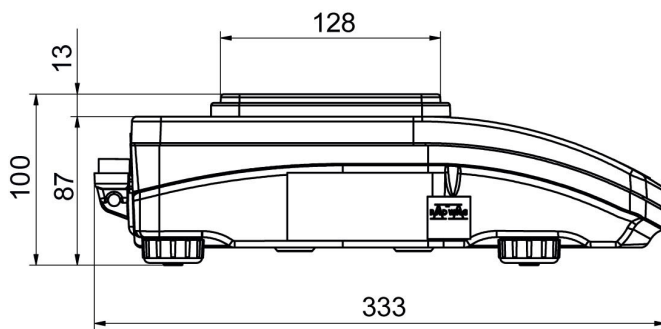
Protective cover for balances  
Receipt Printer  
THBR 2.0 System - Ambient Conditions Monitoring  
RS 232, RS 485 cables  
Under-pan weighing  
RS 232 cables (scale - printer)

## Software

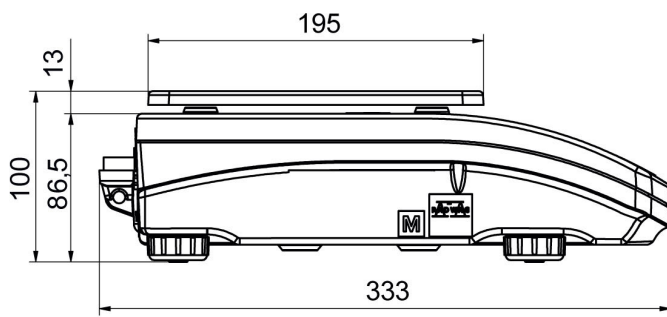
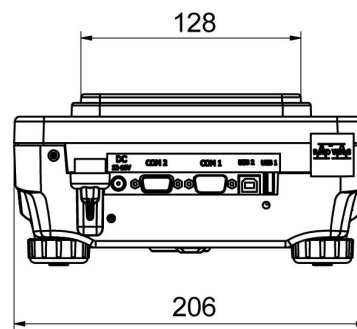
RAD-KEY  
R Panel

LabVIEW Driver  
Alibi Reader

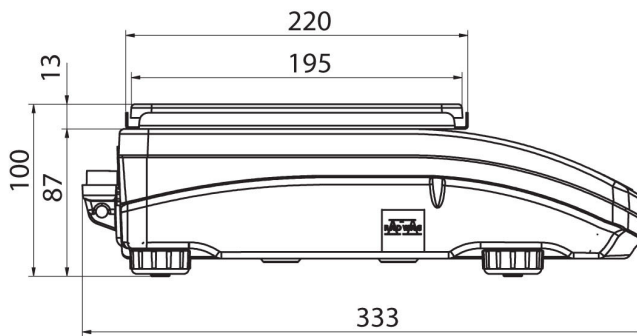
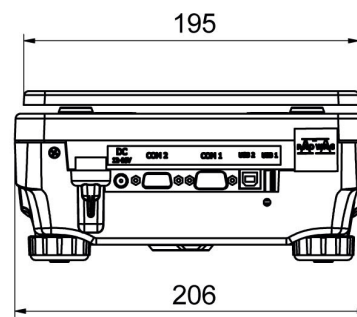
## Device dimensions



PS R, d = 1 mg



PS R, d = 10 mg



PS R.M, d = 10 mg

