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[mirror.radwag.com/en/info,w1,LRI](http://mirror.radwag.com/en/info,w1,LRI)

# PS 4500.R2.M Precision Balance

WL-212-0134



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]  | 4500 g  |
| Minimum load            | 500 mg  |
| Readability [d]         | 10 mg   |
| Verification unit [e]   | 100 mg  |
| Tare range              | -4500 g |
| Minimum weight (USP)    | 10 g    |

| Metrological parameters         |  |
|---------------------------------|--|
| Minimum weight (U=1%, k=2)      | 1 g  |
| Standard repeatability [Max]    | 8 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                      | 4.26 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<br>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

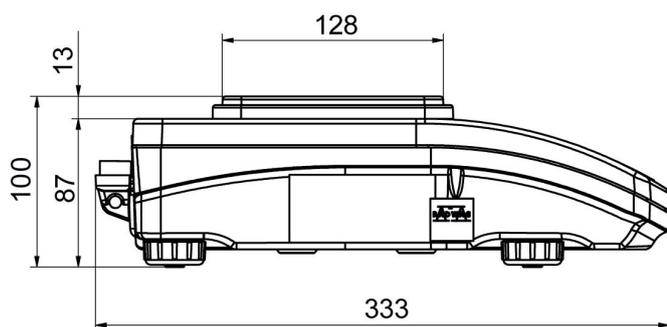
Power Adapters  
 Cigarette lighter receptacle power supply cables  
 USB cable (scale - printer)  
 Barcode scanners  
 RS 232, RS 485 cables

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

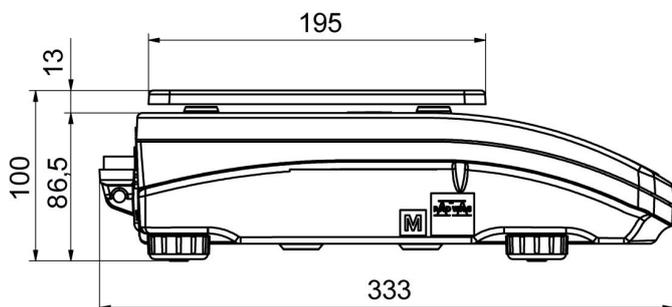
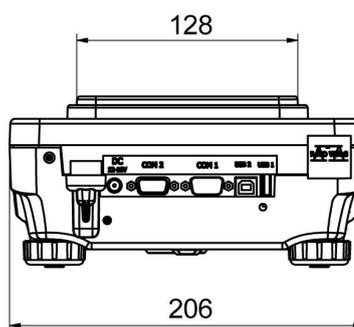
## Software (Additional Fee)

- 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]

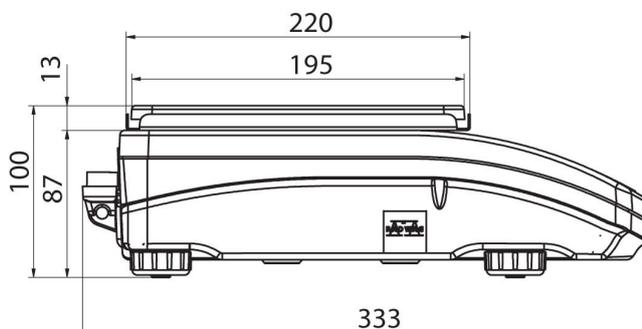
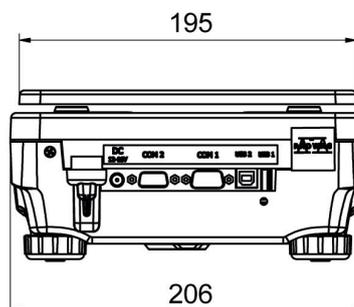
## Device dimensions W x D x H



PS R, d = 1 mg



PS R, d = 10 mg



PS R.M, d = 10 mg

