



# PS 2100.X2.M Precision Balance

WL-218-0127

More information on the website  
[radwag.com/en/info,w1,0Q9](http://radwag.com/en/info,w1,0Q9)



The drawings, photos and graphics used are for illustrative purposes only.

## Functions

-  Autotest
-  Dosing
-  Plus/Minus Control
-  Percent Weighing
-  Parts counting
-  Peak hold
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  Under-pan weighing
-  GLP Procedures
-  Animal weighing
-  Density determination
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Mass for titrator
-  Wi-Fi

## Datasheet

### Metrological parameters

|                        |        |
|------------------------|--------|
| Maximum capacity [Max] | 2100 g |
| Minimum load           | 500 mg |

| <b>Metrological parameters</b>         |  |
|--|--|
| Readability [d]                        | 10 mg  |
| Verification unit [e]                  | 100 mg   |
| Tare range                             | -2100 g  |
| Standard repeatability [5% Max]        | 5 mg   |
| Standard repeatability [Max]           | 8 mg   |
| Standard minimum weight (USP)          | 10 g   |
| Standard minimum weight (U=1%, k=2)    | 1 g  |
| Linearity                              | ±20 mg   |
| Stabilization time                     | 1.5 s  |
| Adjustment                             | internal (automatic)   |
| OIML Class                             | II   |
| Sensitivity temperature drift          | $2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$   |
| <b>Physical parameters</b>             |  |
| Leveling system                        | manual   |
| Display                                | 5" graphic color touchscreen   |
| Delivery components                    | Balance, weighing pan, weighing pan shield, power supply   |
| Weighing pan dimensions                | 195×195 mm   |
| Packaging dimensions                   | 475×380×345 mm   |
| Net weight                             | 4.33 kg  |
| Gross weight                           | 5.5 kg   |
| <b>Construction</b>                    |  |
| Protection class                       | IP 43  |
| <b>Components and software</b>         |  |
| Database capacity                      | Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory |
| <b>Features of use</b>                 |  |
| Touch-free operation                   | 2 IR Sensors   |
| <b>Communication interface</b>         |  |
| Communication interface                | 2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi   |
| <b>Electrical parameters</b>           |  |
| Power supply                           | Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A<br>Balance: 12 – 15V DC 0.8A max                                      |
| Power consumption                      | 4 W  |
| <b>Environmental conditions</b>        |  |
| Operating temperature                  | +10 – +40 °C   |
| Ambient conditions monitoring (option) | THBR 2.0 System, THBR BOX, THB P, THB W, THB S   |
| 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.



Additional fee for verification



## Accessories (Additional Fee)

Balance Storage Case  
Antivibration Tables  
Power Adapters  
Cigarette lighter receptacle power supply cables  
USB cable (scale - printer)  
Barcode scanners  
RS 232, RS 485 cables  
THBR 2.0 System - Ambient Conditions Monitoring  
Displays

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

## Software (Additional Fee)

- RAD Key [WX-010-0005]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- Alibi Reader [WX-010-0114]
- Scale Editor 2.1 [WX-010-0173]

## Device dimensions

