



More information on the website  
[mirror.radwag.com/en/info,w1,9ST](https://mirror.radwag.com/en/info,w1,9ST)

# PS 4500.X7.M Precision Balance

WL-226-0005



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] | 4500 g |
| Minimum load           | 500 mg |

|                                        |                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>         |                                                                                                                        |
| Readability [d]                        | 10 mg                                                                                                                  |
| Verification unit [e]                  | 100 mg                                                                                                                 |
| Tare range                             | -4500 g                                                                                                                |
| Minimum weight (USP)                   | 10 g                                                                                                                   |
| 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          | $2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$                                                                   |
| <b>Physical parameters</b>             |                                                                                                                        |
| Leveling system                        | manual                                                                                                                 |
| Display                                | 7" graphic colour touchscreen                                                                                          |
| Delivery components                    | Balance, weighing pan, weighing pan shield, power supply                                                               |
| Weighing pan dimensions                | 195×195 mm                                                                                                             |
| Device dimensions W x D x H            | 333x206x107 mm                                                                                                         |
| Packaging dimensions W x D x H         | 476×381×346 mm                                                                                                         |
| Net weight                             | 4.64 kg                                                                                                                |
| Gross weight                           | 6.04 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 Max; 12V DC 1.2A<br>Balance: 12 – 15V DC 0.9A max; 4 – 8W*                         |
| 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                                                                         |
| 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  
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  
Protective cover for balances  
Receipt Printer  
Additional modules  
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 W x D x H

