



More information on the website  
radwag.com/en/info,w1,T9L

# PS 3500.X7.M Precision Balance



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] | 3500 g |
| Minimum load           | 500 mg |

| <b>Metrological parameters</b>         |   |
|--|---|
| Readability [d]                        | 10 mg   |
| Verification unit [e]                  | 100 mg  |
| Tare range                             | -3500 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                                | 7" graphic colour touchscreen   |
| Delivery components                    | Balance, weighing pan, weighing pan shield, power supply                          |
| Weighing pan dimensions                | 195×195 mm  |
| Packaging dimensions                   | 476×381×346 mm  |
| Net weight                             | 4.5 kg  |
| Gross weight                           | 5.5 kg  |
| <b>Construction</b>                    |   |
| Protection class                       | IP 43   |
| <b>Components and software</b>         |   |
| Database capacity                      | 7   |
| <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.

## Accessories

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

- 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

