



More information on the website  
[radwag.com/en/info,w1,IH8](http://radwag.com/en/info,w1,IH8)

# PS 200/2000.X7 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]	200 / 2000 g
Minimum load	20 mg

<b>Metrological parameters</b>	
Readability [d]	1 / 10 mg
Verification unit [e]	10 / 100 mg
Tare range	-2000 g
Standard repeatability [5% Max]	0.5 / 5 mg
Standard repeatability [Max]	1 / 10 mg
Standard minimum weight (USP)	1 g
Standard minimum weight (U=1%, k=2)	0.1 g
Linearity	±2 / 20 mg
Stabilization time	2 / 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, grounding bumper ×1, bumper ×3, power supply.
Weighing pan dimensions	128×128 mm
Packaging dimensions	545×455×575 mm
Net weight	3.9 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 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  
 Anti-Draft Chamber for Balances with a 128x128 mm Weighing Pan  
 RS 232, RS 485 cables  
 THBR 2.0 System - Ambient Conditions Monitoring

Displays  
 Receipt Printer  
 Protective cover for balances  
 RS 232, RS 485 cables  
 Additional modules  
 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

