



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

# PS 8100.5Y.M Precision Balance



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

## Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Peak hold
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  Under-pan weighing
-  GLP Procedures
-  Animal weighing
-  Pipettes Calibration
-  Air density correction
-  Density determination
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

### Metrological parameters

Maximum capacity [Max]	8100 g
Minimum load	500 mg

<b>Metrological parameters</b>	
Readability [d]	10 mg
Verification unit [e]	100 mg
Tare range	-8100 g
Standard repeatability [5% Max]	5 mg
Standard repeatability [Max]	10 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	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions	333×206×107 mm
Packaging dimensions	720×370×274 mm
Net weight	7.2 kg
Gross weight	9.3 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×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.6A max; 10–19W*
<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 USB interface exclusively.

\*Power consumption depends on the terminal configuration and the number and type of external devices connected.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

## Accessories

Balance Storage Case  
 Antivibration Tables  
 Power Adapters  
 Cigarette lighter receptacle power supply cables  
 Additional modules  
 USB cable (scale - printer)  
 Professional Weighing Tables  
 Protective cover for balances  
 Barcode scanners

RS 232, RS 485 cables  
 THBR 2.0 System - Ambient Conditions Monitoring  
 Density determination KIT  
 Receipt Printer  
 Fingerprint Reader  
 RS 232, RS 485 cables  
 Under-pan weighing  
 RS 232 cables (scale - printer)  
 RS 232 – RS 485 Converter

## Software

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

## Device dimensions

