



# PS 8100.5Y.M Precision Balance

WL-220-0417

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



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

Metrological parameters	
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	2×10 <sup>-6</sup> /°C×Rt
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, fabric dust cover, power supply
Weighing pan dimensions	195×195 mm
Device dimensions W x D x H	333x206x107 mm
Packaging dimensions W x D x H	720x370x274 mm
Net weight	7.2 kg
Gross weight	9.3 kg
Construction	
Protection class	IP 43
Components and software	
Database capacity	7
Features of use	
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A, 15V DC 2.4A Balance: 12 – 15V DC 1.6A max; 10–19W*
Environmental conditions	
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.



Additional fee for verification



## Accessories (Additional Fee)

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  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

## Device dimensions W x D x H

