



# PS 4500.5Y.M.PGC Precision Balance

More information on the website  
[radwag.com/en/info,w1,5MU](http://radwag.com/en/info,w1,5MU)



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] | 4500 g |
| Minimum load           | 5 g    |

| <b>Metrological parameters</b>         |  |
|--|--|
| Readability [d]                        | 0.1 g  |
| Verification unit [e]                  | 0.1 g  |
| Tare range                             | -4500 g  |
| Standard repeatability [5% Max]        | 0.005 g  |
| Standard repeatability [Max]           | 0.008 g  |
| Standard minimum weight (USP)          | 10 g   |
| Standard minimum weight (U=1%, k=2)    | 1 g  |
| Linearity                              | ±0.02 g  |
| 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                      | 333x206x107 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<br>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   |
| 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.

<sup>1</sup> Barcode scanners, available as weighing instrument accessory, communicate with the instrument via USB 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  
 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

