



More information on the website  
radwag.com/en/info,w1,C82

PS 200/2000.5Y Precision Balance, PS 8100.5Y.M Precision Balance, PS 360.5Y Precision Balance, PS 3000.5Y Precision Balance, PS 10100.5Y.M Precision Balance, PS 4500.5Y.M Precision Balance, PS 600.5Y Precision Balance, PS 3500.5Y.M Precision Balance, PS 1000.5Y Precision Balance, PS 2100.5Y.M Precision Balance, PS 750.5Y Precision Balance, PS 6100.5Y.M Precision Balance, PS 210.5Y Precision Balance



PS 200/2000.5Y Precision Balance  
PS 360.5Y Precision Balance  
PS 3000.5Y Precision Balance  
PS 600.5Y Precision Balance  
PS 1000.5Y Precision Balance  
PS 750.5Y Precision Balance  
PS 210.5Y Precision Balance



PS 8100.5Y.M Precision Balance  
PS 10100.5Y.M Precision Balance  
PS 4500.5Y.M Precision Balance  
PS 3500.5Y.M Precision Balance  
PS 2100.5Y.M Precision Balance  
PS 6100.5Y.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

|                                               | PS 200/2000.5Y Precision Balance<br>WL-220-0418                                          | PS 210.5Y Precision Balance<br>WL-220-0408                                               | PS 360.5Y Precision Balance<br>WL-220-0412                                               |
|-----------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>                |                                                                                          |                                                                                          |                                                                                          |
| <b>Maximum capacity [Max]</b>                 | 200 / 2000 g                                                                             | 210 g                                                                                    | 360 g                                                                                    |
| <b>Minimum load</b>                           | 20 mg                                                                                    | 20 mg                                                                                    | 20 mg                                                                                    |
| <b>Readability [d]</b>                        | 1 / 10 mg                                                                                | 1 mg                                                                                     | 1 mg                                                                                     |
| <b>Verification unit [e]</b>                  | 10 / 100 mg                                                                              | 10 mg                                                                                    | 10 mg                                                                                    |
| <b>Tare range</b>                             | -2000 g                                                                                  | -210 g                                                                                   | -360 g                                                                                   |
| <b>Standard repeatability [5% Max]</b>        | 0,5 / 5 mg                                                                               | 0,5 mg                                                                                   | 0,5 mg                                                                                   |
| <b>Standard repeatability [Max]</b>           | 1 / 10 mg                                                                                | 1 mg                                                                                     | 1 mg                                                                                     |
| <b>Standard minimum weight (USP)</b>          | 1 g                                                                                      | 1 g                                                                                      | 1 g                                                                                      |
| <b>Standard minimum weight (U=1%, k=2)</b>    | 0,1 g                                                                                    | 0,1 g                                                                                    | 0,1 g                                                                                    |
| <b>Linearity</b>                              | ±2 / 20 mg                                                                               | ±2 mg                                                                                    | ±2 mg                                                                                    |
| <b>Stabilization time</b>                     | 2 / 1,5 s                                                                                | 2 s                                                                                      | 2 s                                                                                      |
| <b>Adjustment</b>                             | internal (automatic)                                                                     | internal (automatic)                                                                     | internal (automatic)                                                                     |
| <b>OIML Class</b>                             | II                                                                                       | II                                                                                       | II                                                                                       |
| <b>Physical parameters</b>                    |                                                                                          |                                                                                          |                                                                                          |
| <b>Leveling system</b>                        | semi-automatic – LevelSENSING                                                            | semi-automatic – LevelSENSING                                                            | semi-automatic – LevelSENSING                                                            |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                           | 10" graphic colour touchscreen                                                           | 10" graphic colour touchscreen                                                           |
| <b>Delivery components</b>                    | Balance, weighing pan, grounding bumper x1, bumper x3, fabric dust cover, power supply   | Balance, weighing pan, grounding bumper x1, bumper x3, fabric dust cover, power supply   | Balance, weighing pan, grounding bumper x1, bumper x3, fabric dust cover, power supply   |
| <b>Weighing pan dimensions</b>                | 128x128 mm                                                                               | 128x128 mm                                                                               | 128x128 mm                                                                               |
| <b>Device dimensions W x D x H</b>            |                                                                                          |                                                                                          |                                                                                          |
| <b>Packaging dimensions W x D x H</b>         | 600x400x550 mm                                                                           | 600x400x550 mm                                                                           | 600x400x550 mm                                                                           |
| <b>Net weight</b>                             | 3,99 kg                                                                                  | 3,54 kg                                                                                  | 3,99 kg                                                                                  |
| <b>Gross weight</b>                           | 5,5 kg                                                                                   | 5 kg                                                                                     | 5 kg                                                                                     |
| <b>Construction</b>                           |                                                                                          |                                                                                          |                                                                                          |
| <b>Protection class</b>                       | IP 43                                                                                    | IP 43                                                                                    | IP 43                                                                                    |
| <b>Components and software</b>                |                                                                                          |                                                                                          |                                                                                          |
| <b>Database capacity</b>                      | 7                                                                                        | 7                                                                                        | 7                                                                                        |
| <b>Features of use</b>                        |                                                                                          |                                                                                          |                                                                                          |
| <b>Touch-free operation</b>                   | 2 IR Sensors                                                                             | 2 IR Sensors                                                                             | 2 IR Sensors                                                                             |
| <b>Communication interface</b>                |                                                                                          |                                                                                          |                                                                                          |
| <b>Communication interface</b>                | 2xUSB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            | 2xUSB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            | 2xUSB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            |
| <b>Electrical parameters</b>                  |                                                                                          |                                                                                          |                                                                                          |
| <b>Power supply</b>                           | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* |
| <b>Power consumption max.</b>                 |                                                                                          |                                                                                          |                                                                                          |
| <b>Environmental conditions</b>               |                                                                                          |                                                                                          |                                                                                          |
| <b>Operating temperature</b>                  | +10 – +40 °C                                                                             | +10 – +40 °C                                                                             | +10 – +40 °C                                                                             |
| <b>Ambient conditions monitoring (option)</b> | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           |
| <b>Storage temperature</b>                    |                                                                                          |                                                                                          |                                                                                          |
| <b>Relative humidity</b>                      | 40% – 80%                                                                                | 40% – 80%                                                                                | 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. 1 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.

## Datasheet

|                                        | PS 600.5Y Precision Balance<br>WL-220-0414                                               | PS 750.5Y Precision Balance<br>WL-220-0416                                               | PS 1000.5Y Precision Balance<br>WL-220-0406                                              |
|----------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>         |                                                                                          |                                                                                          |                                                                                          |
| Maximum capacity [Max]                 | 600 g                                                                                    | 750 g                                                                                    | 1000 g                                                                                   |
| Minimum load                           | 20 mg                                                                                    | 20 mg                                                                                    | 20 mg                                                                                    |
| Readability [d]                        | 1 mg                                                                                     | 1 mg                                                                                     | 1 mg                                                                                     |
| Verification unit [e]                  | 10 mg                                                                                    | 10 mg                                                                                    | 10 mg                                                                                    |
| Tare range                             | -600 g                                                                                   | -750 g                                                                                   | -1000 g                                                                                  |
| Standard repeatability [5% Max]        | 0,5 mg                                                                                   | 0,5 mg                                                                                   | 0,5 mg                                                                                   |
| Standard repeatability [Max]           | 1,5 mg                                                                                   | 1,5 mg                                                                                   | 1,5 mg                                                                                   |
| Standard minimum weight (USP)          | 1 g                                                                                      | 1 g                                                                                      | 1 g                                                                                      |
| Standard minimum weight (U=1%, k=2)    | 0,1 g                                                                                    | 0,1 g                                                                                    | 0,1 g                                                                                    |
| Linearity                              | ±3 mg                                                                                    | ±3 mg                                                                                    | ±3 mg                                                                                    |
| Stabilization time                     | 2 s                                                                                      | 2 s                                                                                      | 2 s                                                                                      |
| Adjustment                             | internal (automatic)                                                                     | internal (automatic)                                                                     | internal (automatic)                                                                     |
| OIML Class                             | II                                                                                       | II                                                                                       | II                                                                                       |
| <b>Physical parameters</b>             |                                                                                          |                                                                                          |                                                                                          |
| Leveling system                        | semi-automatic – LevelSENSING                                                            | semi-automatic – LevelSENSING                                                            | semi-automatic – LevelSENSING                                                            |
| Display                                | 10" graphic colour touchscreen                                                           | 10" graphic colour touchscreen                                                           | 10" graphic colour touchscreen                                                           |
| Delivery components                    | Balance, weighing pan, grounding bumper ×1, bumper ×3, fabric dust cover, power supply   | Balance, weighing pan, grounding bumper ×1, bumper ×3, fabric dust cover, power supply   | Balance, weighing pan, grounding bumper ×1, bumper ×3, fabric dust cover, power supply   |
| Weighing pan dimensions                | 128×128 mm                                                                               | 128×128 mm                                                                               | 128×128 mm                                                                               |
| Device dimensions W x D x H            |                                                                                          |                                                                                          |                                                                                          |
| Packaging dimensions W x D x H         | 600×400×550 mm                                                                           | 600×400×550 mm                                                                           | 600×400×550 mm                                                                           |
| Net weight                             | 3,99 kg                                                                                  | 3,9 kg                                                                                   | 4,01 kg                                                                                  |
| Gross weight                           | 5,5 kg                                                                                   | 5 kg                                                                                     | 5 kg                                                                                     |
| <b>Construction</b>                    |                                                                                          |                                                                                          |                                                                                          |
| Protection class                       | IP 43                                                                                    | IP 43                                                                                    | IP 43                                                                                    |
| <b>Components and software</b>         |                                                                                          |                                                                                          |                                                                                          |
| Database capacity                      | 7                                                                                        | 7                                                                                        | 7                                                                                        |
| <b>Features of use</b>                 |                                                                                          |                                                                                          |                                                                                          |
| Touch-free operation                   | 2 IR Sensors                                                                             | 2 IR Sensors                                                                             | 2 IR Sensors                                                                             |
| <b>Communication interface</b>         |                                                                                          |                                                                                          |                                                                                          |
| Communication interface                | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            | 2×USB-A, USB-C, RS 232 (COM3), 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* | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* |
| Power consumption max.                 |                                                                                          |                                                                                          | 10–19 W*                                                                                 |
| <b>Environmental conditions</b>        |                                                                                          |                                                                                          |                                                                                          |
| Operating temperature                  | +10 – +40 °C                                                                             | +10 – +40 °C                                                                             | +10 – +40 °C                                                                             |
| Ambient conditions monitoring (option) | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           |
| Storage temperature                    |                                                                                          |                                                                                          |                                                                                          |
| Relative humidity                      | 40% – 80%                                                                                | 40% – 80%                                                                                | 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. 1 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.

## Datasheet

|                                           | PS 2100.5Y.M Precision Balance<br>WL-220-0409                                                  | PS 3000.5Y Precision Balance<br>WL-220-0410                                                     | PS 3500.5Y.M Precision Balance<br>WL-220-0411                                                  |
|-------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Metrological parameters                   |                                                                                                |                                                                                                 |                                                                                                |
| Maximum capacity [Max]                    | 2100 g                                                                                         | 3000 g                                                                                          | 3500 g                                                                                         |
| Minimum load                              | 500 mg                                                                                         | -                                                                                               | 500 mg                                                                                         |
| Readability [d]                           | 10 mg                                                                                          | 1 mg                                                                                            | 10 mg                                                                                          |
| Verification unit [e]                     | 100 mg                                                                                         | -                                                                                               | 100 mg                                                                                         |
| Tare range                                | -2100 g                                                                                        | -3000 g                                                                                         | -3500 g                                                                                        |
| Standard repeatability [5% Max]           | 5 mg                                                                                           | 0,6 mg                                                                                          | 5 mg                                                                                           |
| Standard repeatability [Max]              | 8 mg                                                                                           | 1,5 mg                                                                                          | 8 mg                                                                                           |
| Standard minimum weight (USP)             | 10 g                                                                                           | 1,2 g                                                                                           | 10 g                                                                                           |
| Standard minimum weight (U=1%,<br>k=2)    | 1 g                                                                                            | 0,12 g                                                                                          | 1 g                                                                                            |
| Linearity                                 | ±20 mg                                                                                         | ±6 mg                                                                                           | ±20 mg                                                                                         |
| Stabilization time                        | 1,5 s                                                                                          | 3 s                                                                                             | 1,5 s                                                                                          |
| Adjustment                                | internal (automatic)                                                                           | internal (automatic)                                                                            | internal (automatic)                                                                           |
| OIML Class                                | II                                                                                             | -                                                                                               | II                                                                                             |
| Physical parameters                       |                                                                                                |                                                                                                 |                                                                                                |
| Leveling system                           | semi-automatic – LevelSENSING                                                                  | semi-automatic – LevelSENSING                                                                   | semi-automatic – LevelSENSING                                                                  |
| Display                                   | 10" graphic colour touchscreen                                                                 | 10" graphic colour touchscreen                                                                  | 10" graphic colour touchscreen                                                                 |
| Delivery components                       | Balance, weighing pan, weighing<br>pan shield, fabric dust cover,<br>power supply              | Balance, weighing pan,<br>grounding bumper ×1, bumper<br>×3, fabric dust cover, power<br>supply | Balance, weighing pan, weighing<br>pan shield, fabric dust cover,<br>power supply              |
| Weighing pan dimensions                   | 195×195 mm                                                                                     | 128×128 mm                                                                                      | 195×195 mm                                                                                     |
| Device dimensions W x D x H               |                                                                                                |                                                                                                 |                                                                                                |
| Packaging dimensions W x D x H            | 720×370×274 mm                                                                                 | 600×400×550 mm                                                                                  | 720×370×274 mm                                                                                 |
| Net weight                                | 7,2 kg                                                                                         | 3,9 kg                                                                                          | 7,2 kg                                                                                         |
| Gross weight                              | 9,3 kg                                                                                         | 5,5 kg                                                                                          | 9,3 kg                                                                                         |
| Construction                              |                                                                                                |                                                                                                 |                                                                                                |
| Protection class                          | IP 43                                                                                          | IP 43                                                                                           | IP 43                                                                                          |
| Components and software                   |                                                                                                |                                                                                                 |                                                                                                |
| Database capacity                         | 7                                                                                              | 7                                                                                               | 7                                                                                              |
| Features of use                           |                                                                                                |                                                                                                 |                                                                                                |
| Touch-free operation                      | 2 IR Sensors                                                                                   | 2 IR Sensors                                                                                    | 2 IR Sensors                                                                                   |
| Communication interface                   |                                                                                                |                                                                                                 |                                                                                                |
| Communication interface                   | 2×USB-A, USB-C, RS 232 (COM3),<br>HDMI, Ethernet, Wi-Fi, Hotspot                               | 2×USB-A, USB-C, RS 232 (COM3),<br>HDMI, Ethernet, Wi-Fi, Hotspot                                | 2×USB-A, USB-C, RS 232 (COM3),<br>HDMI, Ethernet, Wi-Fi, Hotspot                               |
| Electrical parameters                     |                                                                                                |                                                                                                 |                                                                                                |
| Power supply                              | Adapter: 100 – 240V AC<br>50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max;<br>10–19W* | Adapter: 100 – 240V AC<br>50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max;<br>10–19W*  | Adapter: 100 – 240V AC<br>50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max;<br>10–19W* |
| Power consumption max.                    |                                                                                                |                                                                                                 |                                                                                                |
| Environmental conditions                  |                                                                                                |                                                                                                 |                                                                                                |
| Operating temperature                     | +10 – +40 °C                                                                                   | +10 – +40 °C                                                                                    | +10 – +40 °C                                                                                   |
| Ambient conditions monitoring<br>(option) | THBR 2.0 System, THBR BOX,<br>THB P, THB W, THB S                                              | THBR 2.0 System, THBR BOX,<br>THB P, THB W, THB S                                               | THBR 2.0 System, THBR BOX,<br>THB P, THB W, THB S                                              |
| Storage temperature                       |                                                                                                |                                                                                                 |                                                                                                |
| Relative humidity                         | 40% – 80%                                                                                      | 40% – 80%                                                                                       | 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. 1 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.

## Datasheet

|                                               | PS 4500.5Y.M Precision Balance<br>WL-220-0413                                            | PS 6100.5Y.M Precision Balance<br>WL-220-0415                                            | PS 8100.5Y.M Precision Balance<br>WL-220-0417                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>                |                                                                                          |                                                                                          |                                                                                          |
| <b>Maximum capacity [Max]</b>                 | 4500 g                                                                                   | 6100 g                                                                                   | 8100 g                                                                                   |
| <b>Minimum load</b>                           | 500 mg                                                                                   | 500 mg                                                                                   | 500 mg                                                                                   |
| <b>Readability [d]</b>                        | 10 mg                                                                                    | 10 mg                                                                                    | 10 mg                                                                                    |
| <b>Verification unit [e]</b>                  | 100 mg                                                                                   | 100 mg                                                                                   | 100 mg                                                                                   |
| <b>Tare range</b>                             | -4500 g                                                                                  | -6100 g                                                                                  | -8100 g                                                                                  |
| <b>Standard repeatability [5% Max]</b>        | 5 mg                                                                                     | 5 mg                                                                                     | 5 mg                                                                                     |
| <b>Standard repeatability [Max]</b>           | 8 mg                                                                                     | 8 mg                                                                                     | 10 mg                                                                                    |
| <b>Standard minimum weight (USP)</b>          | 10 g                                                                                     | 10 g                                                                                     | 10 g                                                                                     |
| <b>Standard minimum weight (U=1%, k=2)</b>    | 1 g                                                                                      | 1 g                                                                                      | 1 g                                                                                      |
| <b>Linearity</b>                              | ±20 mg                                                                                   | ±20 mg                                                                                   | ±20 mg                                                                                   |
| <b>Stabilization time</b>                     | 1,5 s                                                                                    | 1,5 s                                                                                    | 1,5 s                                                                                    |
| <b>Adjustment</b>                             | internal (automatic)                                                                     | internal (automatic)                                                                     | internal (automatic)                                                                     |
| <b>OIML Class</b>                             | II                                                                                       | II                                                                                       | II                                                                                       |
| <b>Physical parameters</b>                    |                                                                                          |                                                                                          |                                                                                          |
| <b>Leveling system</b>                        | semi-automatic – LevelSENSING                                                            | semi-automatic – LevelSENSING                                                            | semi-automatic – LevelSENSING                                                            |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                           | 10" graphic colour touchscreen                                                           | 10" graphic colour touchscreen                                                           |
| <b>Delivery components</b>                    | Balance, weighing pan, weighing pan shield, fabric dust cover, power supply              | Balance, weighing pan, weighing pan shield, fabric dust cover, power supply              | Balance, weighing pan, weighing pan shield, fabric dust cover, power supply              |
| <b>Weighing pan dimensions</b>                | 195×195 mm                                                                               | 195×195 mm                                                                               | 195×195 mm                                                                               |
| <b>Device dimensions W x D x H</b>            | 333x206x107 mm                                                                           | 333x206x107 mm                                                                           | 333x206x107 mm                                                                           |
| <b>Packaging dimensions W x D x H</b>         | 720×370×274 mm                                                                           | 720×370×274 mm                                                                           | 720×370×274 mm                                                                           |
| <b>Net weight</b>                             | 7,2 kg                                                                                   | 7,2 kg                                                                                   | 7,2 kg                                                                                   |
| <b>Gross weight</b>                           | 9,3 kg                                                                                   | 9,3 kg                                                                                   | 9,3 kg                                                                                   |
| <b>Construction</b>                           |                                                                                          |                                                                                          |                                                                                          |
| <b>Protection class</b>                       | IP 43                                                                                    | IP 43                                                                                    | IP 43                                                                                    |
| <b>Components and software</b>                |                                                                                          |                                                                                          |                                                                                          |
| <b>Database capacity</b>                      | 7                                                                                        | 7                                                                                        | 7                                                                                        |
| <b>Features of use</b>                        |                                                                                          |                                                                                          |                                                                                          |
| <b>Touch-free operation</b>                   | 2 IR Sensors                                                                             | 2 IR Sensors                                                                             | 2 IR Sensors                                                                             |
| <b>Communication interface</b>                |                                                                                          |                                                                                          |                                                                                          |
| <b>Communication interface</b>                | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            |
| <b>Electrical parameters</b>                  |                                                                                          |                                                                                          |                                                                                          |
| <b>Power supply</b>                           | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* |
| <b>Power consumption max.</b>                 |                                                                                          |                                                                                          |                                                                                          |
| <b>Environmental conditions</b>               |                                                                                          |                                                                                          |                                                                                          |
| <b>Operating temperature</b>                  | +10 – +40 °C                                                                             | +10 – +40 °C                                                                             | +10 – +40 °C                                                                             |
| <b>Ambient conditions monitoring (option)</b> | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           |
| <b>Storage temperature</b>                    | -20 – +50 °C                                                                             | -20 – +50 °C                                                                             |                                                                                          |
| <b>Relative humidity</b>                      | 40% – 80%                                                                                | 40% – 80%                                                                                | 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. 1 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.

# Datasheet

|                                               |                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------|
|                                               | <b>PS 10100.5Y.M Precision Balance</b><br>WL-220-0407                                    |
| <b>Metrological parameters</b>                |                                                                                          |
| <b>Maximum capacity [Max]</b>                 | 10100 g                                                                                  |
| <b>Minimum load</b>                           | -                                                                                        |
| <b>Readability [d]</b>                        | 10 mg                                                                                    |
| <b>Verification unit [e]</b>                  | -                                                                                        |
| <b>Tare range</b>                             | -10100 g                                                                                 |
| <b>Standard repeatability [5% Max]</b>        | 5 mg                                                                                     |
| <b>Standard repeatability [Max]</b>           | 12 mg                                                                                    |
| <b>Standard minimum weight (USP)</b>          | 10 g                                                                                     |
| <b>Standard minimum weight (U=1%, k=2)</b>    | 1 g                                                                                      |
| <b>Linearity</b>                              | ±20 mg                                                                                   |
| <b>Stabilization time</b>                     | 1,5 s                                                                                    |
| <b>Adjustment</b>                             | internal (automatic)                                                                     |
| <b>OIML Class</b>                             | -                                                                                        |
| <b>Physical parameters</b>                    |                                                                                          |
| <b>Leveling system</b>                        | semi-automatic – LevelSENSING                                                            |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                           |
| <b>Delivery components</b>                    | Balance, weighing pan, weighing pan shield, fabric dust cover, power supply              |
| <b>Weighing pan dimensions</b>                | 195×195 mm                                                                               |
| <b>Device dimensions W x D x H</b>            | 333x206x107 mm                                                                           |
| <b>Packaging dimensions W x D x H</b>         | 720×370×274 mm                                                                           |
| <b>Net weight</b>                             | 7,2 kg                                                                                   |
| <b>Gross weight</b>                           | 9,3 kg                                                                                   |
| <b>Construction</b>                           |                                                                                          |
| <b>Protection class</b>                       | IP 43                                                                                    |
| <b>Components and software</b>                |                                                                                          |
| <b>Database capacity</b>                      | 7                                                                                        |
| <b>Features of use</b>                        |                                                                                          |
| <b>Touch-free operation</b>                   | 2 IR Sensors                                                                             |
| <b>Communication interface</b>                |                                                                                          |
| <b>Communication interface</b>                | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                            |
| <b>Electrical parameters</b>                  |                                                                                          |
| <b>Power supply</b>                           | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10–19W* |
| <b>Power consumption max.</b>                 |                                                                                          |
| <b>Environmental conditions</b>               |                                                                                          |
| <b>Operating temperature</b>                  | +10 – +40 °C                                                                             |
| <b>Ambient conditions monitoring (option)</b> | THBR 2.0 System, THBR BOX, THB P, THB W, THB S                                           |
| <b>Storage temperature</b>                    | -20 – +50 °C                                                                             |
| <b>Relative humidity</b>                      | 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. 1 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.



Additional fee for verification



## Accessories (Additional Fee)

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

Barcode scanners  
Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan  
RS 232, RS 485 cables  
THBR 2.0 System - Ambient Conditions Monitoring  
Receipt Printer  
Fingerprint Reader  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software (Additional Fee)

E2R System  
Label Editor R02  
R-LAB  
RADWAG Development Studio

RAD-KEY  
RADWAG Remote Desktop  
Scales Editor 2.1

## Device dimensions W x D x H

PS 200/2000.5Y Precision Balance, PS 8100.5Y.M Precision Balance, PS 360.5Y Precision Balance, PS 3000.5Y Precision Balance, PS 10100.5Y.M Precision Balance, PS 4500.5Y.M Precision Balance, PS 600.5Y Precision Balance, PS 3500.5Y.M Precision Balance, PS 1000.5Y Precision Balance, PS 2100.5Y.M Precision Balance, PS 750.5Y Precision Balance, PS 6100.5Y.M Precision Balance, PS 210.5Y Precision Balance

