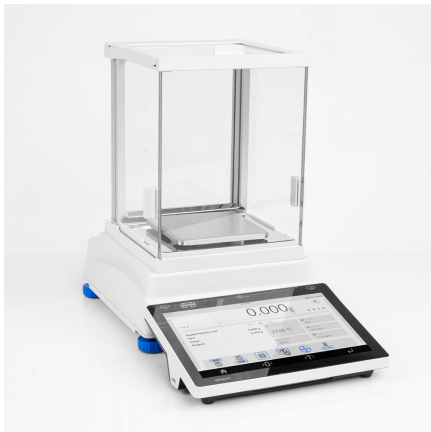




More information on the website  
radwag.com/en/info,w1,C82

PS 1200.5Y.Q Precision Balance, 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 1200.5Y.Q 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



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                                                       | PS 210.5Y Precision Balance                                                            | PS 360.5Y Precision Balance                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Metrological parameters             |                                                                                        |                                                                                        |                                                                                        |
| Maximum capacity [Max]              | 200 / 2000 g                                                                           | 210 g                                                                                  | 360 g                                                                                  |
| Minimum load                        | -                                                                                      | -                                                                                      | -                                                                                      |
| Readability [d]                     | 1 / 10 mg                                                                              | 1 mg                                                                                   | 1 mg                                                                                   |
| Verification unit [e]               | -                                                                                      | -                                                                                      | -                                                                                      |
| Tare range                          | -2000 g                                                                                | -210 g                                                                                 | -360 g                                                                                 |
| Standard repeatability [5% Max]     | 0,5 / 5 mg                                                                             | 0,5 mg                                                                                 | 0,5 mg                                                                                 |
| Standard repeatability [Max]        | 1 / 10 mg                                                                              | 1 mg                                                                                   | 1 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                                                                                  |
| Repeatability                       | —                                                                                      | —                                                                                      | —                                                                                      |
| Linearity                           | ±2 / 20 mg                                                                             | ±2 mg                                                                                  | ±2 mg                                                                                  |
| Sensitivity offset                  | —                                                                                      | —                                                                                      | —                                                                                      |
| Stabilization time                  | 2 / 1,5 s                                                                              | 2 s                                                                                    | 2 s                                                                                    |
| Adjustment                          | internal (automatic)                                                                   | internal (automatic)                                                                   | internal (automatic)                                                                   |
| OIML Class                          | -                                                                                      | -                                                                                      | -                                                                                      |
| Physical parameters                 |                                                                                        |                                                                                        |                                                                                        |
| Leveling system                     | semi-automatic - LevelSENSING                                                          | semi-automatic - LevelSENSING                                                          | semi-automatic - LevelSENSING                                                          |
| Display                             | 10" touchscreen                                                                        | 10" touchscreen                                                                        | 10" touchscreen                                                                        |
| Delivery components                 | Waga, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. | Waga, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. | Waga, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. |
| Weighing pan dimensions             | 128×128 mm                                                                             | 128×128 mm                                                                             | 128×128 mm                                                                             |
| Device dimensions                   |                                                                                        |                                                                                        |                                                                                        |
| Packaging dimensions                | 465×370×290 mm                                                                         | 545×455×575 mm                                                                         | 545×455×575 mm                                                                         |
| Net weight                          | 3,99 kg                                                                                | 3,54 kg                                                                                | 3,99 kg                                                                                |
| Gross weight                        | 5,5 kg                                                                                 | 5 kg                                                                                   | 5 kg                                                                                   |
| Construction                        |                                                                                        |                                                                                        |                                                                                        |
| Protection class                    | IP 43                                                                                  | IP 43                                                                                  | IP 43                                                                                  |
| Features of use                     |                                                                                        |                                                                                        |                                                                                        |
| Database capacity                   | 7                                                                                      | 7                                                                                      | 7                                                                                      |
| Touch-free operation                | 2 IR Sensors                                                                           | 2 IR Sensors                                                                           | 2 IR Sensors                                                                           |
| Communication interface             |                                                                                        |                                                                                        |                                                                                        |
| Communication interface             | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        |
| Electrical parameters               |                                                                                        |                                                                                        |                                                                                        |
| Power supply                        | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         |
| Power consumption                   | 4 W                                                                                    | 4 W                                                                                    | 4 W                                                                                    |
| Environmental conditions            |                                                                                        |                                                                                        |                                                                                        |
| Operating temperature               | +10 ÷ +40 °C                                                                           | +10 ÷ +40 °C                                                                           | +10 ÷ +40 °C                                                                           |
| Ambient conditions monitoring       | 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                 | —                                                                                      | —                                                                                      | —                                                                                      |

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 RS232 interface exclusively.

## Datasheet

|                                     | PS 600.5Y Precision Balance                                                            | PS 750.5Y Precision Balance                                                            | PS 1000.5Y Precision Balance                                                           |
|-------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>      |                                                                                        |                                                                                        |                                                                                        |
| Maximum capacity [Max]              | 600 g                                                                                  | 750 g                                                                                  | 1000 g                                                                                 |
| Minimum load                        | -                                                                                      | -                                                                                      | -                                                                                      |
| Readability [d]                     | 1 mg                                                                                   | 1 mg                                                                                   | 1 mg                                                                                   |
| Verification unit [e]               | -                                                                                      | -                                                                                      | -                                                                                      |
| 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                                                                                  |
| Repeatability                       | —                                                                                      | —                                                                                      | —                                                                                      |
| Linearity                           | ±3 mg                                                                                  | ±3 mg                                                                                  | ±3 mg                                                                                  |
| Sensitivity offset                  | —                                                                                      | —                                                                                      | —                                                                                      |
| Stabilization time                  | 2 s                                                                                    | 2 s                                                                                    | 2 s                                                                                    |
| Adjustment                          | internal (automatic)                                                                   | internal (automatic)                                                                   | internal (automatic)                                                                   |
| OIML Class                          | -                                                                                      | -                                                                                      | -                                                                                      |
| <b>Physical parameters</b>          |                                                                                        |                                                                                        |                                                                                        |
| Leveling system                     | semi-automatic - LevelSENSING                                                          | semi-automatic - LevelSENSING                                                          | semi-automatic - LevelSENSING                                                          |
| Display                             | 10" touchscreen                                                                        | 10" touchscreen                                                                        | 10" touchscreen                                                                        |
| Delivery components                 | Waga, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply. | Waga, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply. | Waga, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply. |
| Weighing pan dimensions             | 128×128 mm                                                                             | 128×128 mm                                                                             | 128×128 mm                                                                             |
| Device dimensions                   |                                                                                        |                                                                                        |                                                                                        |
| Packaging dimensions                | 545×455×575 mm                                                                         | 545×455×575 mm                                                                         | 545×455×575 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>Features of use</b>              |                                                                                        |                                                                                        |                                                                                        |
| Database capacity                   | 7                                                                                      | 7                                                                                      | 7                                                                                      |
| Touch-free operation                | 2 IR Sensors                                                                           | 2 IR Sensors                                                                           | 2 IR Sensors                                                                           |
| <b>Communication interface</b>      |                                                                                        |                                                                                        |                                                                                        |
| Communication interface             | USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        | USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        | USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        |
| <b>Electrical parameters</b>        |                                                                                        |                                                                                        |                                                                                        |
| Power supply                        | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         |
| Power consumption                   | 4 W                                                                                    | 4 W                                                                                    | 4 W                                                                                    |
| <b>Environmental conditions</b>     |                                                                                        |                                                                                        |                                                                                        |
| Operating temperature               | +10 ÷ +40 °C                                                                           | +10 ÷ +40 °C                                                                           | +10 ÷ +40 °C                                                                           |
| Ambient conditions monitoring       | 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                 | —                                                                                      | —                                                                                      | —                                                                                      |

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 RS232 interface exclusively.

## Datasheet

|                                            | PS 1200.5Y.Q Precision Balance                                                         | PS 2100.5Y.M Precision Balance                                                 | PS 3000.5Y Precision Balance                                                           |
|--------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>             |                                                                                        |                                                                                |                                                                                        |
| <b>Maximum capacity [Max]</b>              | 1200 g                                                                                 | 2100 g                                                                         | 3000 g                                                                                 |
| <b>Minimum load</b>                        | -                                                                                      | -                                                                              | -                                                                                      |
| <b>Readability [d]</b>                     | 1 mg                                                                                   | 10 mg                                                                          | 1 mg                                                                                   |
| <b>Verification unit [e]</b>               | -                                                                                      | -                                                                              | -                                                                                      |
| <b>Tare range</b>                          | -1200 g                                                                                | -2100 g                                                                        | -3000 g                                                                                |
| <b>Standard repeatability [5% Max]</b>     | —                                                                                      | 5 mg                                                                           | 0,9 mg                                                                                 |
| <b>Standard repeatability [Max]</b>        |                                                                                        | 8 mg                                                                           | 1,5 mg                                                                                 |
| <b>Standard minimum weight (USP)</b>       | 1 g                                                                                    | 10 g                                                                           | 1 g                                                                                    |
| <b>Standard minimum weight (U=1%, k=2)</b> | 0,1 g                                                                                  | 1 g                                                                            | 0,1 g                                                                                  |
| <b>Repeatability</b>                       | 0.4 mg                                                                                 | —                                                                              | —                                                                                      |
| <b>Linearity</b>                           | 0.6 mg                                                                                 | ±20 mg                                                                         | ±6 mg                                                                                  |
| <b>Sensitivity offset</b>                  | 1.5 mg                                                                                 | —                                                                              | —                                                                                      |
| <b>Stabilization time</b>                  | 2 s                                                                                    | 1,5 s                                                                          | 3 s                                                                                    |
| <b>Adjustment</b>                          | internal (automatic)                                                                   | internal (automatic)                                                           | internal (automatic)                                                                   |
| <b>OIML Class</b>                          | -                                                                                      | -                                                                              | -                                                                                      |
| <b>Physical parameters</b>                 |                                                                                        |                                                                                |                                                                                        |
| <b>Leveling system</b>                     | semi-automatic - LevelSENSING                                                          | semi-automatic - LevelSENSING                                                  | semi-automatic - LevelSENSING                                                          |
| <b>Display</b>                             | 10" touchscreen                                                                        | 10" touchscreen                                                                | 10" touchscreen                                                                        |
| <b>Delivery components</b>                 | Waga, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. | Waga, weighing pan, weighing pan shield, power supply                          | Waga, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. |
| <b>Weighing pan dimensions</b>             | 128×128 mm                                                                             | 195×195 mm                                                                     | 128×128 mm                                                                             |
| <b>Device dimensions</b>                   |                                                                                        |                                                                                |                                                                                        |
| <b>Packaging dimensions</b>                | 545×455×575 mm                                                                         | 465×370×290 mm                                                                 | 465×370×290 mm                                                                         |
| <b>Net weight</b>                          | 4,01 kg                                                                                | 4,3 kg                                                                         | 3,9 kg                                                                                 |
| <b>Gross weight</b>                        | 5 kg                                                                                   | 5,5 kg                                                                         | 5,5 kg                                                                                 |
| <b>Construction</b>                        |                                                                                        |                                                                                |                                                                                        |
| <b>Protection class</b>                    | IP 43                                                                                  | IP 43                                                                          | IP 43                                                                                  |
| <b>Features of use</b>                     |                                                                                        |                                                                                |                                                                                        |
| <b>Database capacity</b>                   | 7                                                                                      | 7                                                                              | 7                                                                                      |
| <b>Touch-free operation</b>                | 2 IR Sensors                                                                           | 2 IR Sensors                                                                   | 2 IR Sensors                                                                           |
| <b>Communication interface</b>             |                                                                                        |                                                                                |                                                                                        |
| <b>Communication interface</b>             | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                        |
| <b>Electrical parameters</b>               |                                                                                        |                                                                                |                                                                                        |
| <b>Power supply</b>                        | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max         |
| <b>Power consumption</b>                   | 4 W                                                                                    | 4 W                                                                            | 4 W                                                                                    |
| <b>Environmental conditions</b>            |                                                                                        |                                                                                |                                                                                        |
| <b>Operating temperature</b>               | +10 ÷ +40 °C                                                                           | +10 ÷ +40 °C                                                                   | +10 ÷ +40 °C                                                                           |
| <b>Ambient conditions monitoring</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>                 | —                                                                                      | —                                                                              | —                                                                                      |

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 RS232 interface exclusively.

## Datasheet

|                                            | PS 3500.5Y.M Precision Balance                                                 | PS 4500.5Y.M Precision Balance                                                 | PS 6100.5Y.M Precision Balance                                                 |
|--------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Metrological parameters</b>             |                                                                                |                                                                                |                                                                                |
| <b>Maximum capacity [Max]</b>              | 3500 g                                                                         | 4500 g                                                                         | 6100 g                                                                         |
| <b>Minimum load</b>                        | -                                                                              | -                                                                              | -                                                                              |
| <b>Readability [d]</b>                     | 10 mg                                                                          | 10 mg                                                                          | 10 mg                                                                          |
| <b>Verification unit [e]</b>               | -                                                                              | -                                                                              | -                                                                              |
| <b>Tare range</b>                          | -3500 g                                                                        | -4500 g                                                                        | -6100 g                                                                        |
| <b>Standard repeatability [5% Max]</b>     | 5 mg                                                                           | 5 mg                                                                           | 5 mg                                                                           |
| <b>Standard repeatability [Max]</b>        | 8 mg                                                                           | 8 mg                                                                           | 8 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>Repeatability</b>                       | —                                                                              | —                                                                              | —                                                                              |
| <b>Linearity</b>                           | ±20 mg                                                                         | ±20 mg                                                                         | ±20 mg                                                                         |
| <b>Sensitivity offset</b>                  | —                                                                              | —                                                                              | —                                                                              |
| <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>                          | -                                                                              | -                                                                              | -                                                                              |
| <b>Physical parameters</b>                 |                                                                                |                                                                                |                                                                                |
| <b>Leveling system</b>                     | semi-automatic - LevelSENSING                                                  | semi-automatic - LevelSENSING                                                  | semi-automatic - LevelSENSING                                                  |
| <b>Display</b>                             | 10" touchscreen                                                                | 10" touchscreen                                                                | 10" touchscreen                                                                |
| <b>Delivery components</b>                 | Waga, weighing pan, weighing pan shield, power supply                          | Waga, weighing pan, weighing pan shield, power supply                          | Waga, weighing pan, weighing pan shield, power supply                          |
| <b>Weighing pan dimensions</b>             | 195×195 mm                                                                     | 195×195 mm                                                                     | 195×195 mm                                                                     |
| <b>Device dimensions</b>                   |                                                                                | 333x206x107 mm                                                                 | 333x206x107 mm                                                                 |
| <b>Packaging dimensions</b>                | 465×370×290 mm                                                                 | 465×370×290 mm                                                                 | 465×370×290 mm                                                                 |
| <b>Net weight</b>                          | 4,5 kg                                                                         | 4,5 kg                                                                         | 5,7 kg                                                                         |
| <b>Gross weight</b>                        | 5,5 kg                                                                         | 5,5 kg                                                                         | 6,5 kg                                                                         |
| <b>Construction</b>                        |                                                                                |                                                                                |                                                                                |
| <b>Protection class</b>                    | IP 43                                                                          | IP 43                                                                          | IP 43                                                                          |
| <b>Features of use</b>                     |                                                                                |                                                                                |                                                                                |
| <b>Database capacity</b>                   | 7                                                                              | 7                                                                              | 7                                                                              |
| <b>Touch-free operation</b>                | 2 IR Sensors                                                                   | 2 IR Sensors                                                                   | 2 IR Sensors                                                                   |
| <b>Communication interface</b>             |                                                                                |                                                                                |                                                                                |
| <b>Communication interface</b>             | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                |
| <b>Electrical parameters</b>               |                                                                                |                                                                                |                                                                                |
| <b>Power supply</b>                        | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max |
| <b>Power consumption</b>                   | 4 W                                                                            | 4 W                                                                            | 4 W                                                                            |
| <b>Environmental conditions</b>            |                                                                                |                                                                                |                                                                                |
| <b>Operating temperature</b>               | +10 ÷ +40 °C                                                                   | +10 ÷ +40 °C                                                                   | +10 ÷ +40 °C                                                                   |
| <b>Ambient conditions monitoring</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                                                                   |

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 RS232 interface exclusively.

## Datasheet

|                                            | PS 8100.5Y.M Precision Balance                                                    | PS 10100.5Y.M Precision Balance                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Metrological parameters</b>             |                                                                                   |                                                                                   |
| <b>Maximum capacity [Max]</b>              | 8100 g                                                                            | 10100 g                                                                           |
| <b>Minimum load</b>                        | -                                                                                 | -                                                                                 |
| <b>Readability [d]</b>                     | 10 mg                                                                             | 10 mg                                                                             |
| <b>Verification unit [e]</b>               | -                                                                                 | -                                                                                 |
| <b>Tare range</b>                          | -8100 g                                                                           | -10100 g                                                                          |
| <b>Standard repeatability [5% Max]</b>     | 0,005 mg                                                                          | 5 mg                                                                              |
| <b>Standard repeatability [Max]</b>        | 0,01 mg                                                                           | 12 mg                                                                             |
| <b>Standard minimum weight (USP)</b>       | 10 g                                                                              | 10 g                                                                              |
| <b>Standard minimum weight (U=1%, k=2)</b> | 1 g                                                                               | 1 g                                                                               |
| <b>Repeatability</b>                       | -                                                                                 | -                                                                                 |
| <b>Linearity</b>                           | ±20 mg                                                                            | ±20 mg                                                                            |
| <b>Sensitivity offset</b>                  | -                                                                                 | -                                                                                 |
| <b>Stabilization time</b>                  | 1,5 s                                                                             | 1,5 s                                                                             |
| <b>Adjustment</b>                          | internal (automatic)                                                              | internal (automatic)                                                              |
| <b>OIML Class</b>                          | -                                                                                 | -                                                                                 |
| <b>Physical parameters</b>                 |                                                                                   |                                                                                   |
| <b>Leveling system</b>                     | semi-automatic - LevelSENSING                                                     | semi-automatic - LevelSENSING                                                     |
| <b>Display</b>                             | 10" touchscreen                                                                   | 10" touchscreen                                                                   |
| <b>Delivery components</b>                 | Waga, weighing pan, weighing pan shield, power supply                             | Waga, weighing pan, weighing pan shield, power supply                             |
| <b>Weighing pan dimensions</b>             | 195×195 mm                                                                        | 195×195 mm                                                                        |
| <b>Device dimensions</b>                   | 333x206x107 mm                                                                    | 333x206x107 mm                                                                    |
| <b>Packaging dimensions</b>                | 465×370×290 mm                                                                    | 465×370×290 mm                                                                    |
| <b>Net weight</b>                          | 5,7 kg                                                                            | 5,7 kg                                                                            |
| <b>Gross weight</b>                        | 5,5 kg                                                                            | 5,5 kg                                                                            |
| <b>Construction</b>                        |                                                                                   |                                                                                   |
| <b>Protection class</b>                    | IP 43                                                                             | IP 43                                                                             |
| <b>Features of use</b>                     |                                                                                   |                                                                                   |
| <b>Database capacity</b>                   | 7                                                                                 | 7                                                                                 |
| <b>Touch-free operation</b>                | 2 IR Sensors                                                                      | 2 IR Sensors                                                                      |
| <b>Communication interface</b>             |                                                                                   |                                                                                   |
| <b>Communication interface</b>             | USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                   | USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                   |
| <b>Electrical parameters</b>               |                                                                                   |                                                                                   |
| <b>Power supply</b>                        | Adapter: 100 – 240V AC 50/60Hz 0,6A;<br>12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max | Adapter: 100 – 240V AC 50/60Hz 0,6A;<br>12V DC 1,2A<br>Waga: 12 – 15V DC 0,8A max |
| <b>Power consumption</b>                   | 4 W                                                                               | 4 W                                                                               |
| <b>Environmental conditions</b>            |                                                                                   |                                                                                   |
| <b>Operating temperature</b>               | +10 ÷ +40 °C                                                                      | +10 ÷ +40 °C                                                                      |
| <b>Ambient conditions monitoring</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                                    |
| <b>Storage temperature</b>                 | -                                                                                 | -20 ÷ +50 °C                                                                      |

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 RS232 interface exclusively.

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



## Accessories

|                                                                |                                                 |
|----------------------------------------------------------------|-------------------------------------------------|
| Balance Storage Case                                           | RS 232, RS 485 cables                           |
| Antivibration Tables                                           | USB Hubs                                        |
| Power Adapters                                                 | THBR 2.0 System - Ambient Conditions Monitoring |
| Cigarette lighter receptacle power supply cables               | Receipt Printer                                 |
| Additional modules                                             | Fingerprint Reader                              |
| USB cable (scale - printer)                                    | RS 232, RS 485 cables                           |
| Professional weighing table                                    | Protective cover for balances                   |
| Density determination KIT                                      | Under-pan weighing                              |
| Protective cover for balances                                  | RS 232 cables (scale - printer)                 |
| Barcode scanners                                               | RS 232 – RS 485 Converter                       |
| Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan |                                                 |

## Software

|                           |                   |
|---------------------------|-------------------|
| RAD-KEY                   | LabVIEW Driver    |
| THB-R                     | Label Editor R02  |
| RADWAG Remote Desktop     | Alibi Reader      |
| R-LAB                     | Scales Editor 2.1 |
| RADWAG Development Studio | E2R System        |
| R.Barcode                 |                   |

## Device dimensions

PS 1200.5Y.Q Precision Balance, 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

