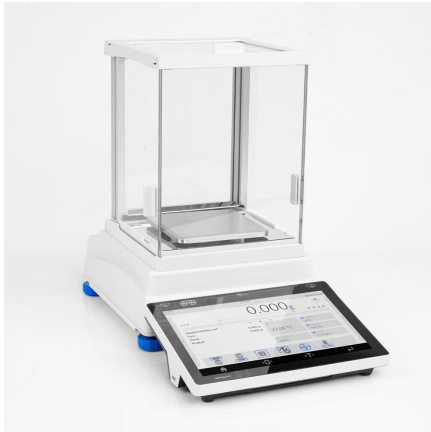




More information on the website
radwag.com/en/info,w1,C82

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	PS 210.5Y Precision Balance	PS 360.5Y Precision Balance
Metrological parameters			
Maximum capacity [Max]	200 / 2000 g	210 g	360 g
Minimum load	20 mg	20 mg	20 mg
Readability [d]	1 / 10 mg	1 mg	1 mg
Verification unit [e]	-	10 mg	10 mg
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
Linearity	±2 / 20 mg	±2 mg	±2 mg
Stabilization time	2 / 1,5 s	2 s	2 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 pan shield, grounding bumper x1, bumper x3, power supply.	Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply.	Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply.
Weighing pan dimensions	128x128 mm	128x128 mm	128x128 mm
Device dimensions			
Packaging dimensions	600x400x550 mm	600x400x550 mm	600x400x550 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
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	2xUSB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2xUSB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2xUSB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Power consumption max.			
Environmental conditions			
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.

Datasheet

	PS 600.5Y Precision Balance	PS 750.5Y Precision Balance	PS 1000.5Y Precision Balance
Metrological parameters			
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
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 pan shield, grounding bumper ×1, bumper ×3, power supply.	Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply.	Balance, 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	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
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, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Power consumption max.			10–19 W*
Environmental conditions			
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.

Datasheet

	PS 2100.5Y.M Precision Balance	PS 3000.5Y Precision Balance	PS 3500.5Y.M Precision Balance
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%, 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 pan shield, power supply	Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply.	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm	128×128 mm	195×195 mm
Device dimensions			
Packaging dimensions	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, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Power consumption max.			
Environmental conditions			
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.

Datasheet

	PS 4500.5Y.M Precision Balance	PS 6100.5Y.M Precision Balance	PS 8100.5Y.M Precision Balance
Metrological parameters			
Maximum capacity [Max]	4500 g	6100 g	8100 g
Minimum load	500 mg	500 mg	500 mg
Readability [d]	10 mg	10 mg	10 mg
Verification unit [e]	100 mg	100 mg	100 mg
Tare range	-4500 g	-6100 g	-8100 g
Standard repeatability [5% Max]	5 mg	5 mg	5 mg
Standard repeatability [Max]	8 mg	8 mg	10 mg
Standard minimum weight (USP)	10 g	10 g	10 g
Standard minimum weight (U=1%, k=2)	1 g	1 g	1 g
Linearity	±20 mg	±20 mg	±20 mg
Stabilization time	1,5 s	1,5 s	1,5 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	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 pan shield, power supply	Balance, weighing pan, weighing pan shield, power supply	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm	195×195 mm	195×195 mm
Device dimensions	333x206x107 mm	333x206x107 mm	333x206x107 mm
Packaging dimensions	720×370×274 mm	720×370×274 mm	720×370×274 mm
Net weight	7,2 kg	7,2 kg	7,2 kg
Gross weight	9,3 kg	9,3 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, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Power consumption max.			
Environmental conditions			
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	-20 – +50 °C	-20 – +50 °C	
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.

Datasheet

	PS 10100.5Y.M Precision Balance
Metrological parameters	
Maximum capacity [Max]	10100 g
Minimum load	-
Readability [d]	10 mg
Verification unit [e]	-
Tare range	-10100 g
Standard repeatability [5% Max]	5 mg
Standard repeatability [Max]	12 mg
Standard minimum weight (USP)	10 g
Standard minimum weight (U=1%, k=2)	1 g
Linearity	±20 mg
Stabilization time	1,5 s
Adjustment	internal (automatic)
OIML Class	-
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions	333×206×107 mm
Packaging dimensions	720×370×274 mm
Net weight	7,2 kg
Gross weight	9,3 kg
Construction	
Protection class	IP 43
Components and software	
Database capacity	7
Features of use	
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Power consumption max.	
Environmental conditions	
Operating temperature	+10 – +40 °C
Ambient conditions monitoring (option)	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
Storage temperature	-20 – +50 °C
Relative humidity	40% – 80%

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via USB interface exclusively.



Accessories

Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
Additional modules
USB cable (scale - printer)
Professional Weighing Tables
Density determination KIT
Protective cover for balances
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
RS 232, RS 485 cables
Under-pan weighing
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

Software

E2R System
Label Editor R02
R-LAB
RADWAG Development Studio

RAD-KEY
RADWAG Remote Desktop
Scales Editor 2.1

Device dimensions

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

