



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

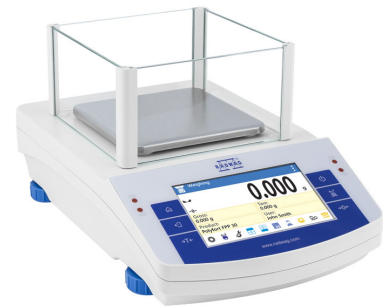
PS 2100.X2.M Precision Balance, PS 3500.X2.M Precision Balance, PS 200/2000.X2 Precision Balance, PS 210.X2 Precision Balance, PS 10100.X2.M Precision Balance, PS 600.X2 Precision Balance, PS 360.X2 Precision Balance, PS 4500.X2.M Precision Balance, PS 6100.X2.M Precision Balance, PS 1000.X2 Precision Balance, PS 3000.X2 Precision Balance, PS 750.X2 Precision Balance, PS 8100.X2.M Precision Balance



PS 2100.X2.M Precision Balance
 PS 3500.X2.M Precision Balance
 PS 10100.X2.M Precision Balance
 PS 4500.X2.M Precision Balance
 PS 6100.X2.M Precision Balance
 PS 8100.X2.M Precision Balance



PS 200/2000.X2 Precision Balance
 PS 210.X2 Precision Balance
 PS 600.X2 Precision Balance
 PS 360.X2 Precision Balance
 PS 1000.X2 Precision Balance
 PS 750.X2 Precision Balance



PS 3000.X2 Precision Balance

The drawings, photos and graphics used are for illustrative purposes only.

Functions

- | | | | |
|------------------|-----------------------------|-----------------------|-------------------------------|
| Autotest | Dosing | Plus/Minus Control | Percent Weighing |
| Parts counting | Peak hold | Formulation | Newton unit measurement |
| Statistics | Checkweighing | IR sensors | Under-pan weighing |
| GLP Procedures | Animal weighing | Density determination | Ambient conditions monitoring |
| Replaceable unit | Statistical Quality Control | ALIBI Memory | Mass for titrator |
| Wi-Fi | | | |

Datasheet

	PS 200/2000.X2 Precision Balance	PS 210.X2 Precision Balance	PS 360.X2 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 / 100 mg	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	II
Physical parameters			
Leveling system	manual	manual	manual
Display	5" graphic color touchscreen	5" graphic color touchscreen	5" graphic color 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	475x380x345 mm	475x380x345 mm	475x380x345 mm
Net weight	4,33 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	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
Features of use			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
Communication interface			
Communication interface	2xRS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2xRS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2xRS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 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 (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 RS232 interface exclusively.

Datasheet

	PS 600.X2 Precision Balance	PS 750.X2 Precision Balance	PS 1000.X2 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	manual	manual	manual
Display	5" graphic color touchscreen	5" graphic color touchscreen	5" graphic color 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	475x380x345 mm	475x380x345 mm	475x380x345 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	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
Features of use			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
Communication interface			
Communication interface	2xRS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2xRS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2xRS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 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 (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 RS232 interface exclusively.

Datasheet

	PS 2100.X2.M Precision Balance	PS 3000.X2 Precision Balance	PS 3500.X2.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	manual	manual	manual
Display	5" graphic color touchscreen	5" graphic color touchscreen	5" graphic color touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, power supply	Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, 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	475×380×345 mm	475×380×345 mm	475×380×345 mm
Net weight	4,33 kg	4,33 kg	4,33 kg
Gross weight	5,5 kg	5,5 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Components and software			
Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
Features of use			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
Communication interface			
Communication interface	2×RS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 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 (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 RS232 interface exclusively.

Datasheet

	PS 4500.X2.M Precision Balance	PS 6100.X2.M Precision Balance	PS 8100.X2.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	manual	manual	manual
Display	5" graphic color touchscreen	5" graphic color touchscreen	5" graphic color 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	475×380×345 mm	475×380×345 mm	475×380×345 mm
Net weight	4,33 kg	4,33 kg	4,33 kg
Gross weight	5,5 kg	6,5 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Components and software			
Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
Features of use			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
Communication interface			
Communication interface	2×RS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 ¹ , USB-A, USB-B, Ethernet, Wi-Fi
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 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 (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 RS232 interface exclusively.

Datasheet

PS 10100.X2.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	manual
Display	5" graphic color 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	475×380×345 mm
Net weight	4,33 kg
Gross weight	5,5 kg
Construction	
Protection class	IP 43
Components and software	
Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
Features of use	
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	2×RS232, USB-A, USB-B, Ethernet, Wi-Fi
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max
Power consumption	4 W
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 RS232 interface exclusively.

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



Additional fee for verification



Accessories (Additional Fee)

Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
USB cable (scale - printer)
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

Displays
Draft Shield
Receipt Printer
Protective cover for balances
RS 232, RS 485 cables
Additional modules
Protective cover for balances
Under-pan weighing
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

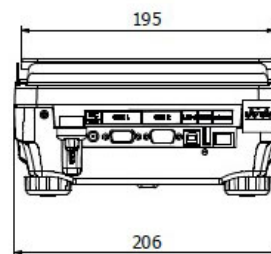
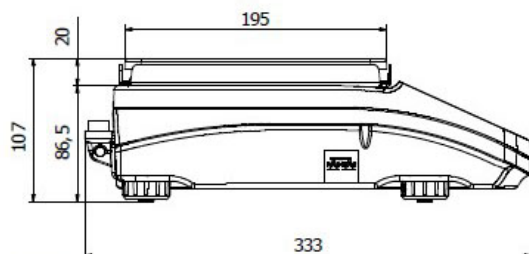
Software (Additional Fee)

RAD-KEY
R-LAB
RADWAG Development Studio

Alibi Reader
Scales Editor 2.1

Device dimensions

PS 2100.X2.M Precision Balance, PS 3500.X2.M Precision Balance, PS 10100.X2.M Precision Balance, PS 4500.X2.M Precision Balance, PS 6100.X2.M Precision Balance, PS 8100.X2.M Precision Balance



PS 200/2000.X2 Precision Balance, PS 210.X2 Precision Balance, PS 600.X2 Precision Balance, PS 360.X2 Precision Balance, PS 1000.X2 Precision Balance, PS 750.X2 Precision Balance

