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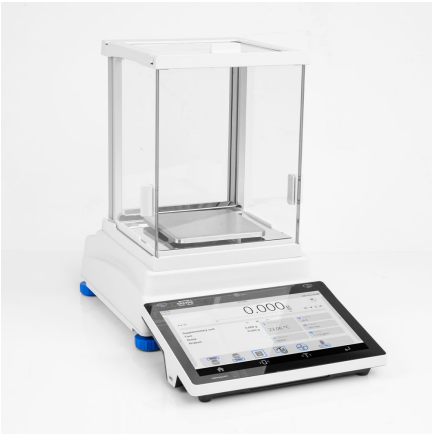
PS 1200.5Y.Q Precision Balance, PS 200/2000.5Y Precision Balance, PS 8100.5Y.M Precision Balance, PS 360.5Y Precision Balance, PS 3000.5Y Precision Balance, PS 10100.5Y.M Precision Balance, PS 4500.5Y.M Precision Balance, PS 600.5Y Precision Balance, PS 3500.5Y.M Precision Balance, PS 1000.5Y Precision Balance, PS 2100.5Y.M Precision Balance, PS 750.5Y Precision Balance, PS 6100.5Y.M Precision Balance, PS 210.5Y Precision Balance

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



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" 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	3,54 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	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 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	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 600.5Y 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	-	-	-
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	-	-	-
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 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	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 1200.5Y.Q Precision Balance	PS 2100.5Y.M Precision Balance	PS 3000.5Y Precision Balance
Metrological parameters			
Maximum capacity [Max]	1200 g	2100 g	3000 g
Minimum load	-	-	-
Readability [d]	1 mg	10 mg	1 mg
Verification unit [e]	-	-	-
Tare range	-1200 g	-2100 g	-3000 g
Standard repeatability [5% Max]	–	5 mg	0,9 mg
Standard repeatability [Max]		8 mg	1,5 mg
Standard minimum weight (USP)	1 g	10 g	1 g
Standard minimum weight (U=1%, k=2)	0,1 g	1 g	0,1 g
Repeatability	0.4 mg	–	–
Linearity	0.6 mg	±20 mg	±6 mg
Sensitivity offset	1.5 mg	–	–
Stabilization time	2 s	1,5 s	3 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" 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, power supply	Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply.
Weighing pan dimensions	128×128 mm	195×195 mm	128×128 mm
Device dimensions			
Packaging dimensions	545×455×575 mm	465×370×290 mm	600×400×550 mm
Net weight	4,01 kg	4,3 kg	3,9 kg
Gross weight	5 kg	5,5 kg	5,5 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 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	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 3500.5Y.M Precision Balance	PS 4500.5Y.M Precision Balance	PS 6100.5Y.M Precision Balance
Metrological parameters			
Maximum capacity [Max]	3500 g	4500 g	6100 g
Minimum load	-	-	-
Readability [d]	10 mg	10 mg	10 mg
Verification unit [e]	-	-	-
Tare range	-3500 g	-4500 g	-6100 g
Standard repeatability [5% Max]	5 mg	5 mg	5 mg
Standard repeatability [Max]	8 mg	8 mg	8 mg
Standard minimum weight (USP)	10 g	10 g	10 g
Standard minimum weight (U=1%, k=2)	1 g	1 g	1 g
Repeatability			
Linearity	±20 mg	±20 mg	±20 mg
Sensitivity offset			
Stabilization time	1,5 s	1,5 s	1,5 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" 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
Packaging dimensions	465×370×290 mm	465×370×290 mm	465×370×290 mm
Net weight	4,5 kg	4,5 kg	5,7 kg
Gross weight	5,5 kg	9 kg	6,5 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 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	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 8100.5Y.M Precision Balance	PS 10100.5Y.M Precision Balance
Metrological parameters		
Maximum capacity [Max]	8100 g	10100 g
Minimum load	-	-
Readability [d]	10 mg	10 mg
Verification unit [e]	-	-
Tare range	-8100 g	-10100 g
Standard repeatability [5% Max]	5 mg	5 mg
Standard repeatability [Max]	10 mg	12 mg
Standard minimum weight (USP)	10 g	10 g
Standard minimum weight (U=1%, k=2)	1 g	1 g
Repeatability		
Linearity	±20 mg	±20 mg
Sensitivity offset		
Stabilization time	1,5 s	1,5 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	-	-
Physical parameters		
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	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
Weighing pan dimensions	195×195 mm	195×195 mm
Device dimensions	333x206x107 mm	333x206x107 mm
Packaging dimensions	465×370×290 mm	465×370×290 mm
Net weight	5,7 kg	5,7 kg
Gross weight	5,5 kg	5,5 kg
Construction		
Protection class	IP 43	IP 43
Components and software		
Database capacity	7	7
Features of use		
Touch-free operation	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
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
Power consumption	4 W	4 W
Environmental conditions		
Operating temperature	+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
Storage temperature		-20 ÷ +50 °C
Relative humidity	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.

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

Accessories

Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
Additional modules
USB cable (scale - printer)
Professional Weighing Tables
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
USB Hubs
THBR 2.0 System - Ambient Conditions Monitoring
Receipt Printer
Fingerprint Reader
RS 232, RS 485 cables
Protective cover for balances
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 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