



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 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
Minimum weight (USP)	1 g	1 g	1 g
Minimum weight (U=1%,k=2)	0,1 g	0,1 g	0,1 g
Repeatability (Max)	1 / 10 mg	1 mg	1 mg
Repeatability (5% Max)	0,5 / 5 mg	0,5 mg	0,5 mg
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	-	-	-
Physical parameters			
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" 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	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
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 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			

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
Minimum weight (USP)	1 g	1 g	1 g
Minimum weight (U=1%,k=2)	0,1 g	0,1 g	0,1 g
Repeatability (Max)	1,5 mg	1,5 mg	1,5 mg
Repeatability (5% Max)	0,5 mg	0,5 mg	0,5 mg
Linearity	±3 mg	±3 mg	±3 mg
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" touchscreen	10" touchscreen	10" 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	545x455x575 mm	545x455x575 mm	545x455x575 mm
Net weight	3,99 kg	3,9 kg	4,01 kg
Gross weight	5,5 kg	5 kg	5 kg
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 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
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			

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 2100.5Y.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	-	-	-
Readability [d]	10 mg	1 mg	10 mg
Verification unit [e]	-	-	-
Tare range	-2100 g	-3000 g	-3500 g
Minimum weight (USP)	10 g	1 g	10 g
Minimum weight (U=1%,k=2)	1 g	0,1 g	1 g
Repeatability (Max)	8 mg	1,5 mg	8 mg
Repeatability (5% Max)	5 mg	0,9 mg	5 mg
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	-	-	-
Physical parameters			
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" 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	465×370×290 mm	465×370×290 mm	465×370×290 mm
Net weight	4,3 kg	3,9 kg	4,5 kg
Gross weight	5,5 kg	5,5 kg	5,5 kg
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 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

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 4500.5Y.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	-	-	-
Readability [d]	10 mg	10 mg	10 mg
Verification unit [e]	-	-	-
Tare range	-4500 g	-6100 g	-8100 g
Minimum weight (USP)	10 g	10 g	10 g
Minimum weight (U=1%,k=2)	1 g	1 g	1 g
Repeatability (Max)	8 mg	8 mg	0,01 mg
Repeatability (5% Max)	5 mg	5 mg	0,005 mg
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	-	-	-
Physical parameters			
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen	10" 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	333×206×107 mm	333×206×107 mm	333×206×107 mm
Packaging dimensions	465×370×290 mm	465×370×290 mm	465×370×290 mm
Net weight	4,5 kg	5,7 kg	5,7 kg
Gross weight	5,5 kg	6,5 kg	5,5 kg
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 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	-

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 10100.5Y.M Precision Balance
Metrological parameters	
Maximum capacity [Max]	10100 g
Minimum load	-
Readability [d]	10 mg
Verification unit [e]	-
Tare range	-10100 g
Minimum weight (USP)	10 g
Minimum weight (U=1%,k=2)	1 g
Repeatability (Max)	12 mg
Repeatability (5% Max)	5 mg
Linearity	±20 mg
Stabilization time	1,5 s
Adjustment	internal (automatic)
OIML Class	-
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions	333x206x107 mm
Packaging dimensions	465×370×290 mm
Net weight	5,7 kg
Gross weight	5,5 kg
Features of use	
Database capacity	7
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	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 Balance: 12 – 15V DC 0,8A max
Power consumption	4 W
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Ambient conditions monitoring	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
Storage temperature	-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
 Antivibration Tables
 Power Adapters
 Barcode scanners
 Cigarette lighter receptacle power supply cables
 Additional modules
 USB cable (scale - printer)
 Professional weighing table
 Density determination KIT
 Protective cover for balances
 Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan

USB Hubs
 THBR 2.0 System - Ambient Conditions Monitoring
 Draft Shield
 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

RAD-KEY
 THB-R
 RADWAG Remote Desktop
 R-LAB
 RADWAG Development Studio
 R.Barcode

LabVIEW Driver
 Label Editor R02
 Alibi Reader
 Scales Editor 2.1
 E2R System

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



