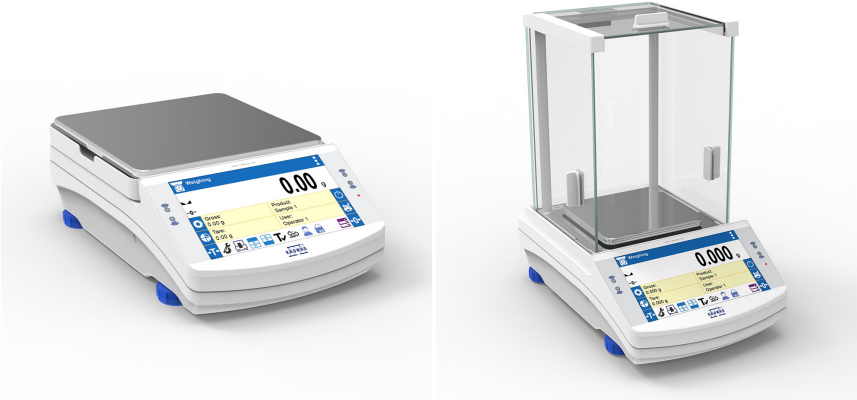




More information on the website
radwag.com/en/info,w1,IH8

PS 10100.X7.M Precision Balance, PS 210.X7 Precision Balance, PS 750.X7 Precision Balance, PS 4500.X7.M Precision Balance, PS 3000.X7 Precision Balance, PS 6100.X7.M Precision Balance, PS 2100.X7.M Precision Balance, PS 200/2000.X7 Precision Balance, PS 360.X7 Precision Balance, PS 8100.X7.M Precision Balance, PS 3500.X7.M Precision Balance, PS 1000.X7 Precision Balance, PS 600.X7 Precision Balance



PS 10100.X7.M Precision Balance
PS 4500.X7.M Precision Balance
PS 6100.X7.M Precision Balance
PS 2100.X7.M Precision Balance
PS 8100.X7.M Precision Balance
PS 3500.X7.M Precision Balance

PS 210.X7 Precision Balance
PS 750.X7 Precision Balance
PS 3000.X7 Precision Balance
PS 200/2000.X7 Precision Balance
PS 360.X7 Precision Balance
PS 1000.X7 Precision Balance
PS 600.X7 Precision Balance

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

Functions



Autotest:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Dosing:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Percent Weighing:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Parts counting:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Peak hold:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Formulation:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Newton unit measurement:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance



Statistics:

- PS 210.X7 Precision Balance
- PS 360.X7 Precision Balance
- PS 600.X7 Precision Balance
- PS 750.X7 Precision Balance
- PS 1000.X7 Precision Balance
- PS 2100.X7.M Precision Balance
- PS 3000.X7 Precision Balance
- PS 3500.X7.M Precision Balance
- PS 4500.X7.M Precision Balance
- PS 6100.X7.M Precision Balance
- PS 8100.X7.M Precision Balance
- PS 10100.X7.M Precision Balance

Datasheet

	PS 200/2000.X7 Precision Balance	PS 210.X7 Precision Balance	PS 360.X7 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
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	manual	manual	manual
Display	7" graphic colour touchscreen	7" graphic colour touchscreen	7" 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	545×455×575 mm	545×455×575 mm	545×455×575 mm
Net weight	3,9 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×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 600.X7 Precision Balance	PS 750.X7 Precision Balance	PS 1000.X7 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
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	manual	manual	manual
Display	7" graphic colour touchscreen	7" graphic colour touchscreen	7" 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	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	7,5 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×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 2100.X7.M Precision Balance	PS 3000.X7 Precision Balance	PS 3500.X7.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
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	-	-	-
Physical parameters			
Leveling system	manual	manual	manual
Display	7" graphic colour touchscreen	7" graphic colour touchscreen	7" 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	476×381×346 mm	545×455×575 mm	476×381×346 mm
Net weight	4,3 kg	3,9 kg	4,5 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	7	7	7
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.X7.M Precision Balance	PS 6100.X7.M Precision Balance	PS 8100.X7.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
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	-	-	-
Physical parameters			
Leveling system	manual	manual	manual
Display	7" graphic colour touchscreen	7" graphic colour touchscreen	7" 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	333×206×107 mm	333×206×107 mm	333×206×107 mm
Packaging dimensions	476×381×346 mm	476×381×346 mm	476×381×346 mm
Net weight	4,5 kg	5,7 kg	5,7 kg
Gross weight	6 kg	6,5 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×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.X7.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	7" 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	476×381×346 mm
Net weight	5,7 kg
Gross weight	5,5 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×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.



Accessories

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
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

RAD-KEY
R-LAB
RADWAG Development Studio

Alibi Reader
Scales Editor 2.1

Device dimensions

PS 10100.X7.M Precision Balance, PS 4500.X7.M Precision Balance, PS 6100.X7.M Precision Balance, PS 2100.X7.M Precision Balance, PS 8100.X7.M Precision Balance, PS 3500.X7.M Precision Balance

