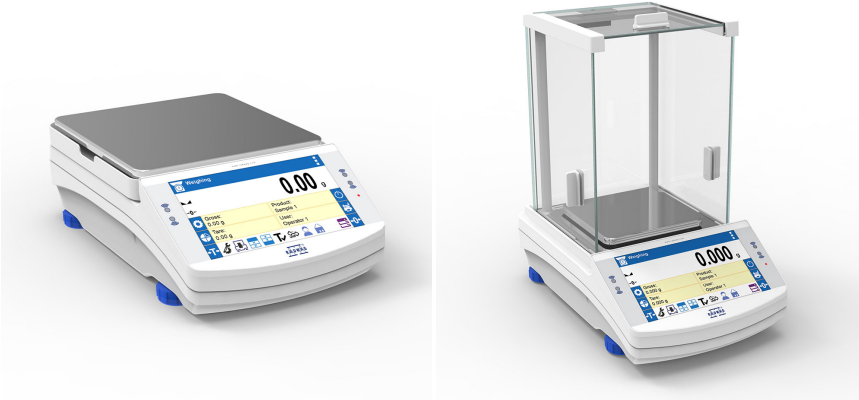




More information on the website  
radwag.com/en/info,w1,IH8

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
<b>Metrological parameters</b>			
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	-	-	-
<b>Physical parameters</b>			
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
<b>Construction</b>			
Protection class	IP 43	IP 43	IP 43
<b>Components and software</b>			
Database capacity	7	7	7
<b>Features of use</b>			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
<b>Communication interface</b>			
Communication interface	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi
<b>Electrical parameters</b>			
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
<b>Environmental conditions</b>			
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.X7 Precision Balance	PS 750.X7 Precision Balance	PS 1000.X7 Precision Balance
<b>Metrological parameters</b>			
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	-	-	-
<b>Physical parameters</b>			
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
<b>Construction</b>			
Protection class	IP 43	IP 43	IP 43
<b>Components and software</b>			
Database capacity	7	7	7
<b>Features of use</b>			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
<b>Communication interface</b>			
Communication interface	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi
<b>Electrical parameters</b>			
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
<b>Environmental conditions</b>			
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
<b>Storage temperature</b>			
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
<b>Metrological parameters</b>			
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	0,5 mg	5 mg
Standard repeatability [Max]	8 mg	1,5 mg	8 mg
Standard minimum weight (USP)	10 g	1 g	10 g
Standard minimum weight (U=1%, k=2)	1 g	0,1 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	-	-	-
<b>Physical parameters</b>			
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
<b>Device dimensions</b>			
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
<b>Construction</b>			
Protection class	IP 43	IP 43	IP 43
<b>Components and software</b>			
Database capacity	7	7	7
<b>Features of use</b>			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
<b>Communication interface</b>			
Communication interface	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi
<b>Electrical parameters</b>			
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
<b>Environmental conditions</b>			
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
<b>Storage temperature</b>			
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
<b>Metrological parameters</b>			
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	-	-	-
<b>Physical parameters</b>			
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
<b>Construction</b>			
Protection class	IP 43	IP 43	IP 43
<b>Components and software</b>			
Database capacity	7	7	7
<b>Features of use</b>			
Touch-free operation	2 IR Sensors	2 IR Sensors	2 IR Sensors
<b>Communication interface</b>			
Communication interface	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi
<b>Electrical parameters</b>			
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
<b>Environmental conditions</b>			
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

<b>PS 10100.X7.M Precision Balance</b>	
<b>Metrological parameters</b>	
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	-
<b>Physical parameters</b>	
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
<b>Construction</b>	
Protection class	IP 43
<b>Components and software</b>	
Database capacity	7
<b>Features of use</b>	
Touch-free operation	2 IR Sensors
<b>Communication interface</b>	
Communication interface	2×RS232, USB-A, USB-B, Ethernet, Wi-Fi
<b>Electrical parameters</b>	
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
<b>Environmental conditions</b>	
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
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

