



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

PS 10100.R2.M Precision Balance, PS 8100.R2.M Precision Balance, PS 6100.R2.M Precision Balance, PS 2100.R2.M Precision Balance, PS 600.R2 Precision Balance, PS 3500.R2.M Precision Balance, PS 0.6.R2 Precision Balance, PS 4500.R2.M Precision Balance, PS 750.R2 Precision Balance, PS 200/2000.R2 Precision Balance, PS 1000.R2 Precision Balance, PS 210.R2 Precision Balance, PS 360.R2 Precision Balance



PS 10100.R2.M Precision Balance
PS 8100.R2.M Precision Balance
PS 6100.R2.M Precision Balance
PS 2100.R2.M Precision Balance
PS 3500.R2.M Precision Balance
PS 4500.R2.M Precision Balance

PS 600.R2 Precision Balance
PS 750.R2 Precision Balance
PS 200/2000.R2 Precision Balance
PS 1000.R2 Precision Balance
PS 210.R2 Precision Balance
PS 360.R2 Precision Balance

PS 0.6.R2 Precision Balance

Functions



Autotest



Dosing



Percent Weighing



Totalizing



Parts counting



Peak hold



Newton unit
measurement



Statistics



Checkweighing



Under-pan weighing



GLP Procedures



Animal weighing



Density determination

Datasheet

	PS 200/2000.R2 Precision Balance	PS 210.R2 Precision Balance	PS 360.R2 Precision Balance
Metrological parameters			
Maximum capacity [Max]	200 / 2000 g	210 g	360 g
Minimum load	20 mg	20 mg	20 mg
Readability [d]	0,001 / 0,01 g	0,001 g	0,001 g
Tare range	-2000 g	-210 g	-360 g
Verification scale interval [e]	0,01/0,1 g	0,01 g	0,01 g
Minimum weight (USP)	—	—	—
Minimum weight (U=1%,k=2)			
Repeatability (Max)	0,001 / 0,01 g	0,001 g	0,001 g
Repeatability (5% Max)	0,0005 / 0,005 g	0,0005 g	0,0005 g
Linearity	±0,002 / 0,02 g	±0,002 g	±0,002 g
Stabilization time	2 / 1,5 s	2 s	2 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	II
Physical parameters			
Levelling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	128×128 mm	128×128 mm	128×128 mm
Device dimensions	—	—	—
Packaging dimensions	470×380×336 mm	470×380×336 mm	470×380×336 mm
Net weight	3,9 kg	3,7 kg	3,7 kg
Gross weight	5,5 kg	5,3 kg	5,3 kg
Communication interface			
Communication interface	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	—	—	—
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Storage temperature			
Relative humidity	—	—	—

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.

Datasheet

	PS 600.R2 Precision Balance	PS 0.6.R2 Precision Balance	PS 750.R2 Precision Balance
Metrological parameters			
Maximum capacity [Max]	600 g	600 g	750 g
Minimum load	20 mg	500 mg	20 mg
Readability [d]	0,001 g	0,01 g	0,001 g
Tare range	-600 g	-600 g	-750 g
Verification scale interval [e]	0,01 g	0,01 g	0,01 g
Minimum weight (USP)	—	—	—
Minimum weight (U=1%,k=2)			
Repeatability (Max)	0,0015 g	0,01 g	0,0015 g
Repeatability (5% Max)	0,0005 g	0,005 g	0,0005 g
Linearity	±0,003 g	±0,02 g	±0,003 g
Stabilization time	2 s	1,5 s	2 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	II
Physical parameters			
Levelling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	128×128 mm	195×195 mm	128×128 mm
Device dimensions	—	—	—
Packaging dimensions	470×380×336 mm	470×380×336 mm	470×380×336 mm
Net weight	3,9 kg	3,9 kg	3,9 kg
Gross weight	5,5 kg	5,5 kg	5,5 kg
Communication interface			
Communication interface	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	—	—	—
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Storage temperature			
Relative humidity	—	—	—

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.

Datasheet

	PS 1000.R2 Precision Balance	PS 2100.R2.M Precision Balance	PS 3500.R2.M Precision Balance
Metrological parameters			
Maximum capacity [Max]	1000 g	2100 g	3500 g
Minimum load	20 mg	500 mg	500 mg
Readability [d]	0,001 g	0,01 g	0,01 g
Tare range	-1000 g	-2100 g	-3500 g
Verification scale interval [e]	0,01 g	0,1 g	0,1 g
Minimum weight (USP)	—	—	—
Minimum weight (U=1%,k=2)			
Repeatability (Max)	0,0015 g	0,008 g	0,008 g
Repeatability (5% Max)	0,0005 g	0,005 g	0,005 g
Linearity	±0,003 g	±0,02 g	±0,02 g
Stabilization time	2 s	1,5 s	1,5 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	II
Physical parameters			
Levelling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	128×128 mm	195×195 mm	195×195 mm
Device dimensions	—	—	—
Packaging dimensions	470×380×336 mm	470×380×336 mm	470×380×336 mm
Net weight	3,9 kg	4,3 kg	4,5 kg
Gross weight	5,5 kg	5,8 kg	6 kg
Communication interface			
Communication interface	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	—	—	—
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Storage temperature			
Relative humidity	—	—	—

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.

Datasheet

	PS 4500.R2.M Precision Balance	PS 6100.R2.M Precision Balance	PS 8100.R2.M Precision Balance
Metrological parameters			
Maximum capacity [Max]	4500 g	6100 g	8100 g
Minimum load	0,5 g	0,5 g	0,5 g
Readability [d]	0,01 g	0,01 g	0,01 g
Tare range	-4500 g	-6100 g	-8100 g
Verification scale interval [e]	0,1 g	0,1 g	0,1 g
Minimum weight (USP)	10 g	10 g	10 g
Minimum weight (U=1%,k=2)	1 g	1 g	1 g
Repeatability (Max)	0,008 g	0,008 g	0,01 g
Repeatability (5% Max)	0,005 g	0,005 g	0,005 g
Linearity	±0,02 g	±0,03 g	±0,03 g
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			
Levelling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	195×195 mm	195×195 mm	195×195 mm
Device dimensions	333x206x107 mm	333x206x107 mm	333x206x107 mm
Packaging dimensions	470×380×340 mm	470×380×340 mm	470×380×340 mm
Net weight	4,5 kg	4,5 kg	4,5 kg
Gross weight	6,1 kg	6,1 kg	6,1 kg
Communication interface			
Communication interface	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)	2×RS232, USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	4 W	—	—
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Storage temperature	-20 ÷ +50 °C	-20 ÷ +50 °C	-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.

Datasheet

	PS 10100.R2.M Precision Balance
Metrological parameters	
Maximum capacity [Max]	10100 g
Minimum load	0,5 g
Readability [d]	0,01 g
Tare range	-10100 g
Verification scale interval [e]	-
Minimum weight (USP)	10 g
Minimum weight (U=1%,k=2)	1 g
Repeatability (Max)	0,012 g
Repeatability (5% Max)	0,005 g
Linearity	±0,03 g
Stabilization time	1,5 s
Adjustment	internal (automatic)
OIML Class	-
Physical parameters	
Levelling system	manual
Display	LCD (backlit)
Weighing pan dimensions	195×195 mm
Device dimensions	333×206×107 mm
Packaging dimensions	470×380×336 mm
Net weight	4,5 kg
Gross weight	6,1 kg
Communication interface	
Communication interface	2×RS232, USB-A, USB-B, Wi-Fi (option)
Electrical parameters	
Power supply	100 ÷ 240 V AC 50 / 60 Hz
Power consumption max.	—
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
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.

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



Accessories

Balance Storage Case
 Receipt Printer
 Barcode scanners
 Cigarette lighter receptacle power supply cables
 Power Adapters
 USB cable (scale - printer)
 Density determination kit
 Anti-draft Chamber for balances with a weighing pan 128×128mm
 Granite Antivibration Tables

Displays
 Draft Shield
 Protective cover for balances
 AP2-1 Current Loop Unit
 RPANEL BOX
 RS 232, RS 485 cables
 Under-Pan Weighing Rack
 RS 232 cables (scale - EPSON printer)

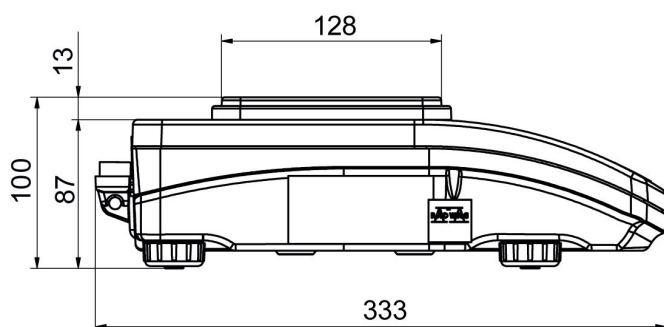
Software

RAD-KEY
R Panel
Alibi Reader
RADWAG Development Studio
R.Barcode

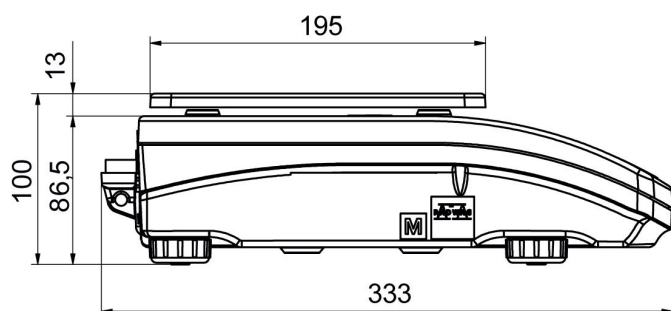
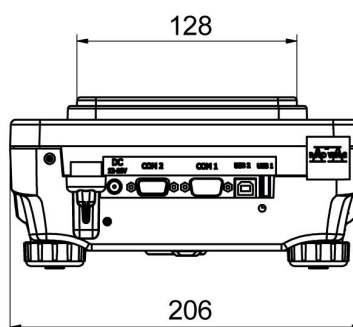
LabVIEW Driver
RADWAG Connect
R-LAB
E2R System

Device dimensions

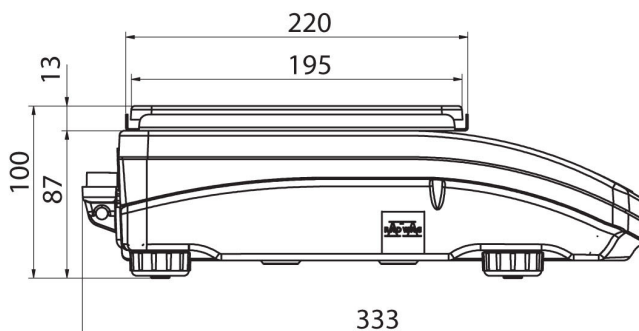
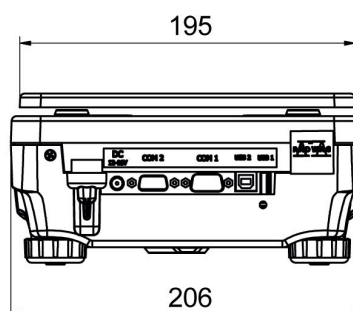
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PS R, d = 1mg



PS R, d = 10 mg



PS R.M, d = 10 mg

