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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 600.R2.1 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

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 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

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

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 WL-212-1003	**PS 210.R2 Precision Balance** WL-212-0018	**PS 360.R2 Precision Balance** WL-212-0019
Metrological parameters			
Maximum capacity [Max]	200 / 2000 g	210 g	360 g
Minimum load	20 mg	20 mg	20 mg
Readability [d]	1 / 10 mg	1 mg	1 mg
Verification unit [e]	10 / 100 mg	10 mg	10 mg
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
Standard repeatability [Max]	1 / 10 mg	1 mg	1 mg
Standard 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	II	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	5,3” LCD (backlit)	5,3” LCD (backlit)	5,3” LCD (backlit)
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 W x D x H			
Packaging dimensions W x D x H	475×380×345 mm	475×380×345 mm	475×380×345 mm
Net weight	4,7 kg	3,7 kg	3,7 kg
Gross weight	6 kg	5 kg	5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*
Power consumption	4 W	4 W	4 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
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. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

	PS 600.R2 Precision Balance WL-212-0020	**PS 600.R2.1 Precision Balance** WL-212-0071	**PS 750.R2 Precision Balance** WL-212-0021
Metrological parameters			
Maximum capacity [Max]	600 g	600 g	750 g
Minimum load	20 mg	500 mg	20 mg
Readability [d]	1 mg	10 mg	1 mg
Verification unit [e]	10 mg	100 mg	10 mg
Tare range	-600 g	-600 g	-750 g
Minimum weight (USP)	1 g	8,2 g	1 g
Minimum weight (U=1%, k=2)	0,1 g	0,82 g	0,1 g
Standard repeatability [Max]	1,5 mg	10 mg	1,5 mg
Standard repeatability [5% Max]	0,5 mg	4,1 mg	0,5 mg
Linearity	±3 mg	±20 mg	±3 mg
Stabilization time	2 s	1,5 s	2 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	5,3” LCD (backlit)	5,3” LCD (backlit)	5,3” LCD (backlit)
Delivery components	Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply.	Balance, weighing pan, 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	195×195 mm	128×128 mm
Device dimensions W x D x H			
Packaging dimensions W x D x H	475×380×345 mm	475×380×345 mm	475×380×345 mm
Net weight	3,9 kg	4,4 kg	3,8 kg
Gross weight	5 kg	5,7 kg	5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*
Power consumption	4 W	4 W	4 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
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. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

	PS 1000.R2 Precision Balance WL-212-0022	**PS 2100.R2.M Precision Balance** WL-212-0170	**PS 3500.R2.M Precision Balance** WL-212-0173
Metrological parameters			
Maximum capacity [Max]	1000 g	2100 g	3500 g
Minimum load	20 mg	500 mg	500 mg
Readability [d]	1 mg	10 mg	10 mg
Verification unit [e]	10 mg	100 mg	100 mg
Tare range	-1000 g	-2100 g	-3500 g
Minimum weight (USP)	1 g	10 g	10 g
Minimum weight (U=1%, k=2)	0,1 g	1 g	1 g
Standard repeatability [Max]	1,5 mg	8 mg	8 mg
Standard repeatability [5% Max]	0,5 mg	5 mg	5 mg
Linearity	±3 mg	±20 mg	±20 mg
Stabilization time	2 s	1,5 s	1,5 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	5,3” LCD (backlit)	5,3” LCD (backlit)	5,3” LCD (backlit)
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, power supply
Weighing pan dimensions	128×128 mm	195×195 mm	195×195 mm
Device dimensions W x D x H			
Packaging dimensions W x D x H	475×380×345 mm	475×380×345 mm	475×380×345 mm
Net weight	3,92 kg	4,26 kg	4,33 kg
Gross weight	6 kg	5,5 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*
Power consumption	4 W	4 W	4 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
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. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

	PS 4500.R2.M Precision Balance WL-212-0134	**PS 6100.R2.M Precision Balance** WL-212-0135	**PS 8100.R2.M Precision Balance** WL-212-0132
Metrological parameters			
Maximum capacity [Max]	4500 g	6100 g	8100 g
Minimum load	500 mg	500 mg	500 mg
Readability [d]	10 mg	10 mg	10 mg
Verification unit [e]	100 mg	100 mg	100 mg
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
Standard repeatability [Max]	8 mg	8 mg	10 mg
Standard repeatability [5% Max]	5 mg	5 mg	5 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	II	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	5,3” LCD (backlit)	5,3” LCD (backlit)	5,3” LCD (backlit)
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 W x D x H	333x206x107 mm	333x206x107 mm	333x206x107 mm
Packaging dimensions W x D x H	475×380×345 mm	475×380×345 mm	475×380×345 mm
Net weight	4,26 kg	4,33 kg	4,33 kg
Gross weight	5,5 kg	6 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)	2×RS232[1], USB-A, USB-B, Wi-Fi (option)
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*
Power consumption	4 W	4 W	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%	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. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

	PS 10100.R2.M Precision Balance WL-212-0133
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
Standard repeatability [Max]	12 mg
Standard repeatability [5% Max]	5 mg
Linearity	±20 mg
Stabilization time	1,5 s
Adjustment	internal (automatic)
OIML Class	-
Physical parameters	
Leveling system	manual
Display	5,3” LCD (backlit)
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions W x D x H	333x206x107 mm
Packaging dimensions W x D x H	475×380×345 mm
Net weight	4,33 kg
Gross weight	5,5 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×RS232[1], USB-A, USB-B, Wi-Fi (option)
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,7A max; 3 – 5,5W*
Power consumption	4 W
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. * Power consumption depends on the terminal configuration as well as the number and type of external devices connected. 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.

Additional fee for verification

Accessories (Additional Fee)

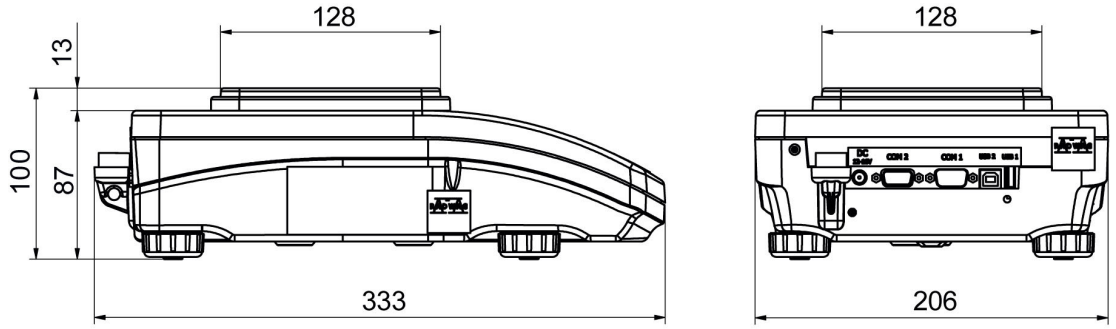
Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
USB cable (scale - printer)
Density determination KIT
Barcode scanners
Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan
RS 232, RS 485 cables
Displays
Draft Shield
Protective cover for balances
Receipt Printer
Under-pan weighing
RS 232 cables (scale - printer)

Software (Additional Fee)

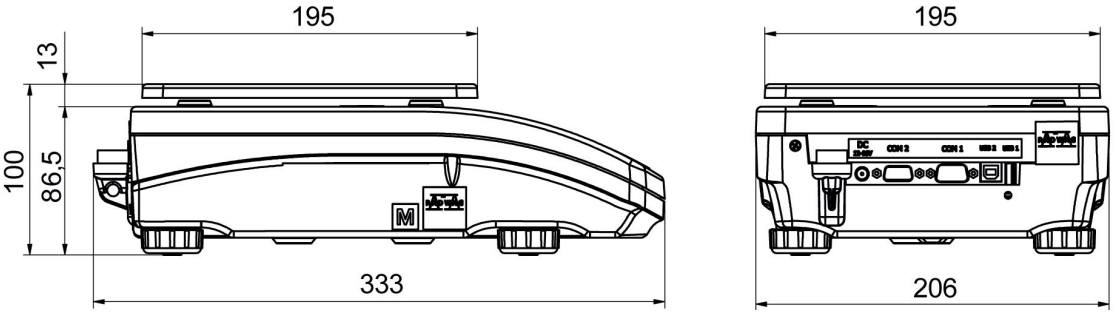
RAD-KEY
Alibi Reader
RADWAG Development Studio
R Panel
R-LAB

Device dimensions W x D x H

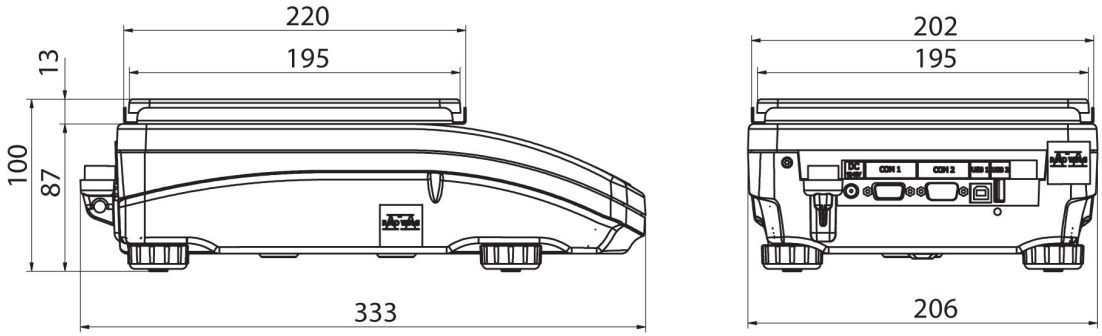
PS 10100.R2.M Precision Balance, PS 8100.R2.M Precision Balance, PS 6100.R2.M Precision Balance, PS 2100.R2.M Precision Balance, PS 600.R2 Precision Balance, PS 3500.R2.M Precision Balance, PS 600.R2.1 Precision Balance, PS 4500.R2.M Precision Balance, PS 750.R2 Precision Balance, PS 200/2000.R2 Precision Balance, PS 1000.R2 Precision Balance, PS 210.R2 Precision Balance, PS 360.R2 Precision Balance



PS R, d = 1mg



PS R, d = 10 mg



PS R.M, d = 10 mg