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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 1000.R2 Precision Balance

More information on the website
radwag.com/en/info,w1,FV9

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 1000.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 600.R2 Precision Balance WL-212-0020	**PS 600.R2.1 Precision Balance** WL-212-0071	**PS 1000.R2 Precision Balance** WL-212-0022
Metrological parameters			
Maximum capacity [Max]	600 g	600 g	1000 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	-1000 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	3,92 kg
Gross weight	5 kg	5,7 kg	6 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 2100.R2.M Precision Balance WL-212-0170	**PS 3500.R2.M Precision Balance** WL-212-0173	**PS 4500.R2.M Precision Balance** WL-212-0134
Metrological parameters			
Maximum capacity [Max]	2100 g	3500 g	4500 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	-2100 g	-3500 g	-4500 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	8 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
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	4,26 kg
Gross weight	5,5 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	–	–	-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 6100.R2.M Precision Balance WL-212-0135	**PS 8100.R2.M Precision Balance** WL-212-0132
Metrological parameters		
Maximum capacity [Max]	6100 g	8100 g
Minimum load	500 mg	500 mg
Readability [d]	10 mg	10 mg
Verification unit [e]	100 mg	100 mg
Tare range	-6100 g	-8100 g
Minimum weight (USP)	10 g	10 g
Minimum weight (U=1%, k=2)	1 g	1 g
Standard repeatability [Max]	8 mg	10 mg
Standard repeatability [5% Max]	5 mg	5 mg
Linearity	±20 mg	±20 mg
Stabilization time	1,5 s	1,5 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	II	II
Physical parameters		
Leveling system	manual	manual
Display	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
Weighing pan dimensions	195×195 mm	195×195 mm
Device dimensions W x D x H	333x206x107 mm	333x206x107 mm
Packaging dimensions W x D x H	475×380×345 mm	475×380×345 mm
Net weight	4,33 kg	4,33 kg
Gross weight	6 kg	5,5 kg
Construction		
Protection class	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)
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*
Power consumption	4 W	4 W
Environmental conditions		
Operating temperature	+10 – +40 °C	+10 – +40 °C
Storage temperature	-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. * 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.

Additional fee for verification

Accessories (Additional Fee)

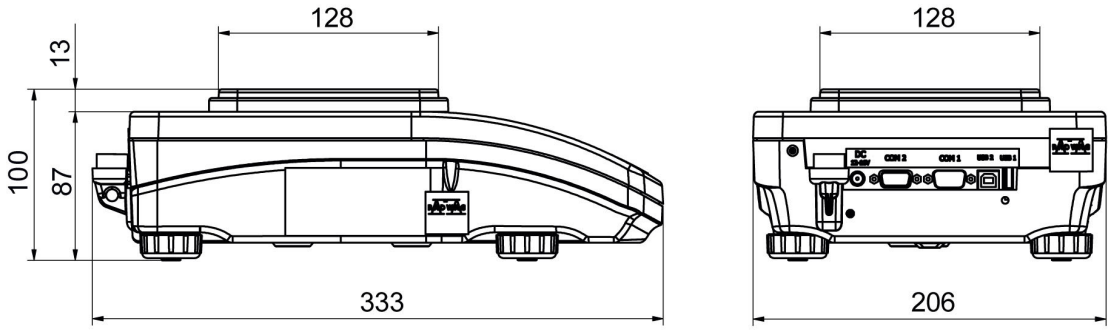
Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
USB cable (scale - printer)
Density determination KIT
Barcode scanners
Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan
RS 232, RS 485 cables
Displays
Draft Shield
Protective cover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

Software (Additional Fee)

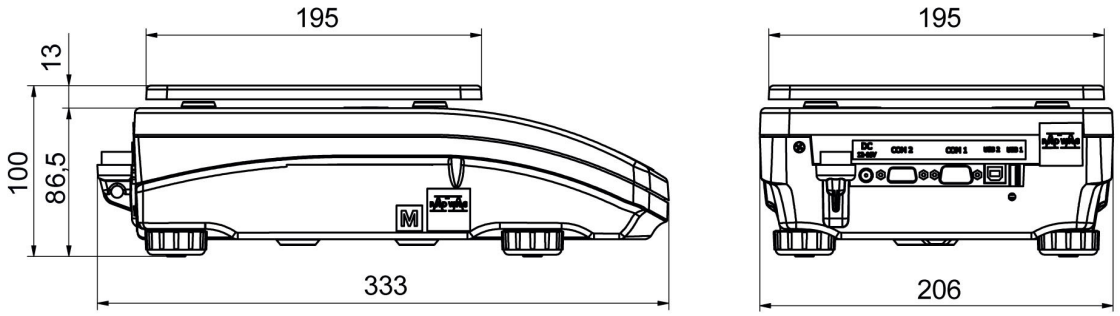
RAD-KEY
Alibi Reader
RADWAG Development Studio
R Panel
R-LAB

Device dimensions W x D x H

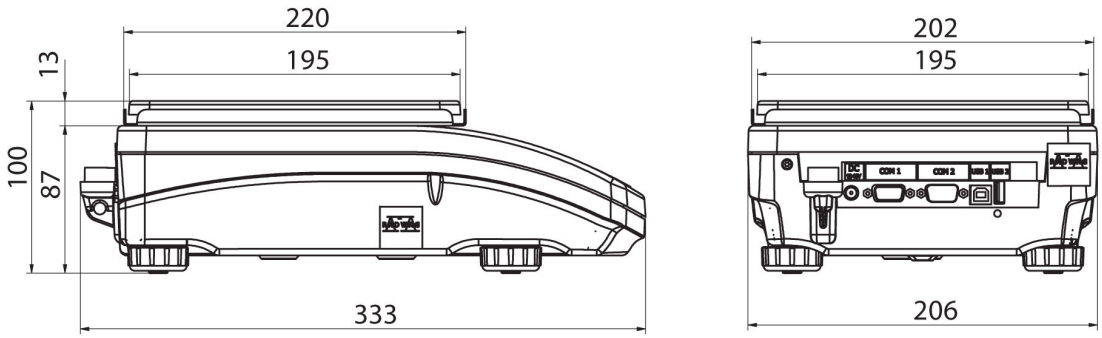
PS 8100.R2.M Precision Balance, PS 6100.R2.M Precision Balance, PS 2100.R2.M Precision Balance, PS 600.R2 Precision Balance, PS 3500.R2.M Precision Balance, PS 600.R2.1 Precision Balance, PS 4500.R2.M Precision Balance, PS 1000.R2 Precision Balance



PS R, d = 1mg



PS R, d = 10 mg



PS R.M, d = 10 mg