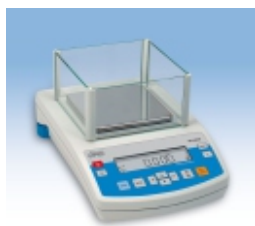


# PRECISION BALANCES PS/C1



release date 21-03-2013

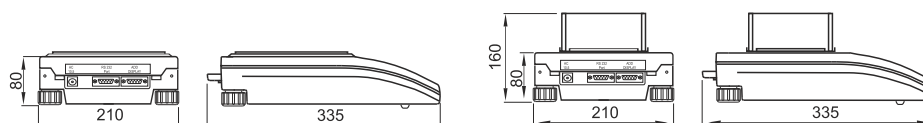


Balances series PS feature 12 key front panel and LCD backlit display. Pan dimension in this series is 195×195 or 128×128 mm with a glass draft shield over the weighing pan for protecting the load against air breeze. Each balance has RS 232 and additional display outputs as standard.

GLP procedure is available in a non-modifiable form of a report from balance adjustment/calibration process. Balances marked as C/1 feature system of external adjustment/calibration.



Balances are equipped with optional weighing of loads outside the weighing pan, so called under hook weighing. It is an alternative for weighing loads with non-standard dimensions or made of magnetic substances. Under hook weighing is additionally applied in case of density determination procedure.



- Parts counting
- Density determination
- Percent setup
- Summing function
- Checkweighing

## Technical data:

	PS 200/2000/C1*	PS 110/C1*	PS 210/C1*	PS 360/C1	PS 510/C1	PS 750/C1	PS 1000/C1
Max capacity	200/2000 g	110 g	210 g	360 g	510 g	750 g	1000 g
Minimal load	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Readability	1/10 mg	1 mg	1 mg	1 mg	1 mg	1 mg	1 mg
Tare range	-2000 g	-110 g	-210 g	-360 g	-510 g	-750 g	-1000 g
Repeatability	1/10 mg	1 mg	1 mg	1 mg	1 mg	1,5 mg	1,5 mg
Linearity	±2/20 mg	±2 mg	±2 mg	±2 mg	±2 mg	±3 mg	±3 mg
Stabilization time	2 s / 1,5 s	2 s	2 s	2 s	2 s	2 s	2 s
Pan size	128×128 mm						
Sensitivity drift	2 ppm/°C in temperature +15 ÷ +35 °C						
Working temperature	+10 ÷ +40 °C						
Power supply	13,5 ÷ 16 V DC / 2,1 A						
Net weight/Gross weight	3,5/5,5 kg	3,5/5,5 kg	3,5/5,5 kg	3,5/5,5 kg	3,5/5,5 kg	3,5/5,5 kg	3,5/5,5 kg
Packaging size	470×380×336 mm						

\* verified balances

## Technical data:

	PS 1200/C1*	PS 2100/C1*	PS 3500/C1	PS 4500/C1	PS 6000/C1	PS 8000/C1
Max capacity	1200 g	2100 g	3500 g	4500 g	6000 g	8000 g
Minimal load	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg
Readability	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg
Tare range	-1200 g	-2100 g	-3500 g	-4500 g	-6000 g	-8000 g
Repeatability	10 mg	10 mg	10 mg	10 mg	15 mg	15 mg
Linearity	±20 mg	±20 mg	±20 mg	±20 mg	±20 mg	±20 mg
Stabilization time	1,5 s	1,5 s	1,5 s	1,5 s	1,5 s	1,5 s
Pan size	195×195 mm					
Sensitivity drift	2 ppm/°C in temperature +15 ÷ +35 °C					
Working temperature	+10 ÷ +40 °C					
Power supply	13,5 ÷ 16 V DC / 2,1 A					
Net weight/Gross weight	3,6/5,1 kg	3,6/5,1 kg	3,6/5,1 kg	3,6/5,1 kg	3,6/5,1 kg	3,6/5,1 kg
Packaging size	470×380×336 mm					

\* verified balances

## Additional equipment:

ANTI VIBRATION TABLE	LCD ADDITIONAL DISPLAY
"KAFKA" THERMAL PRINTER	EXTERNAL RECHARGEABLE BATTERY PACK
IMPACT "EPSON" PRINTER	SUITCASE FOR BALANCE
DENSITY DETERMINATION KIT FOR SOLIDS AND LIQUIDS	COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000, REC-FS 2000
RACK FOR UNDER HOOK WEIGHING	

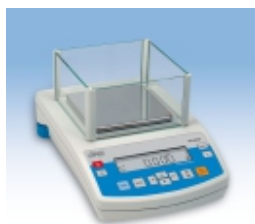
## RADWAG Balances & Scales

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# PRECISION BALANCES PS/C2








release date 21-03-2013

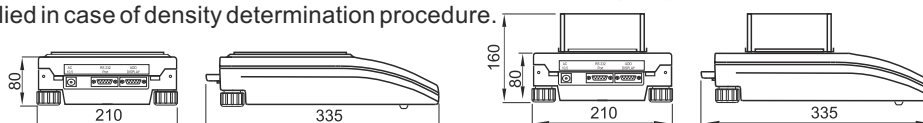


Balances series PS feature 12 key front panel and LCD backlit display. Pan dimension in this series is 195×195 or 128×128 mm with a glass draft shield over the weighing pan for protecting the load against air breeze. Each balance has RS 232 and additional display outputs as standard. PS C/2 series features system of automatic internal adjustment/calibration, RS 232 and additional display outputs.

GLP procedure is available in a non-modifiable form of a report from balance adjustment/calibration process. Balances marked as C/2 comprise system of automatic internal adjustment / calibration triggered by time flow or temperature conditions.

Balances are equipped with an option of weighing loads outside the weighing pan, so called under hook weighing. It is an alternative for weighing loads with non standard dimensions or made of magnetic substances. Under hook weighing is additionally applied in case of density determination procedure.

-  Parts counting
-  Density determination
-  Percent setup
-  Summing function
-  Checkweighing



## Technical data:

	PS 200/2000/C/2*	PS 210/C/2*	PS 360/C/2*	PS 600/C/2*	PS 750/C/2	PS 1000/C/2
Max capacity	200/2000 g	210 g	360 g	600 g	750 g	1000 g
Minimal load	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Readability	1/10 mg	1 mg	1 mg	1 mg	1 mg	1 mg
Tare range	-2000 g	-210 g	-360 g	-600 g	-750 g	-1000 g
Repeatability	1/10 mg	1 mg	1 mg	1,5 mg	1,5 mg	1,5 mg
Linearity	±2/20 mg	±2 mg	±2 mg	±3 mg	±3 mg	±3 mg
Stabilization time	2 s / 1,5 s	2 s	2 s	2 s	2 s	2 s
Pan size	128×128 mm					
Sensitivity drift	2 ppm/°C in temperature +15 - +35 °C					
Working temperature	+10 - +40 °C					
Power supply	13,5 ÷ 16 V DC / 2,1 A					
Net weight/Gross weight	4,5/6,5 kg	4,2/6,2 kg	4,2/6,2 kg	4,3/6,3 kg	4,3/6,3 kg	4,5/6,5 kg
Packaging dimensions	470×380×336 mm					

\* verified balances

## Technical data:

	PS 1200/C/2*	PS 2100/C/2*	PS 3500/C/2*	PS 4500/C/2*	PS 6000/C/2*
Max capacity	1200 g	2100 g	3500 g	4500 g	6000 g
Minimal load	500 mg	500 mg	500 mg	500 mg	500 mg
Readability	10 mg	10 mg	10 mg	10 mg	10 mg
Tare range	-1200 g	-2100 g	-3500 g	-4500 g	-6000 g
Repeatability	10 mg	10 mg	10 mg	10 mg	15 mg
Linearity	±20 mg	±20 mg	±20 mg	±20 mg	±30 mg
Stabilization time	1,5 s	1,5 s	1,5 s	1,5 s	1,5 s
Pan size	195×195 mm				
Sensitivity drift	2 ppm/°C in temperature +15 ÷ +35 °C				
Working temperature	+10 ÷ +40 °C				
Power supply	13,5 ÷ 16 V DC / 2,1 A				
Net weight/Gross weight	4,8/5,8 kg	4,8/6,3 kg	4,8/6,3 kg	4,8/6,3 kg	4,8/6,3 kg
Packaging dimensions	470×380×336 mm				

\* verified balances

## Additional equipment:

ANTI VIBRATION TABLE	LCD ADDITIONAL DISPLAY
"KAFKA" THERMAL PRINTER	EXTERNAL RECHARGEABLE BATTERY PACK
IMPACT "EPSON" PRINTER	SUITCASE FOR BALANCE
DENSITY DETERMINATION KIT FOR SOLIDS AND LIQUIDS	COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000, REC-FS 2000
RACK FOR UNDER HOOK WEIGHING	

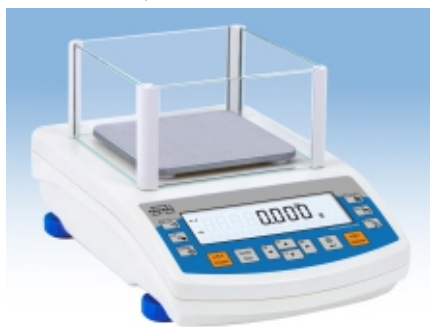
## RADWAG Balances & Scales

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# PS.R1 PRECISION BALANCES



release date 20-09-2013



PS.R1 series balances represent a new standard of precision balances. They **feature a new, readable LCD display** which allows a clearer presentation of the weighing result. Besides, the display has a new text information line allowing to show additional messages and data, e.g. product name or tare value.

New PS.R1 balances, like previously designed PS series balances, have pans in two possible dimensions: 128x128 mm or 195x195 mm. Balances with a smaller pan have a draft shield. They were equipped with **the system of external mass adjustment**.

PS.R2 balances feature several communication interfaces: **2 x RS 232, type A USB, type B USB and optional WiFi**. The housing is made of plastic, and the pan is made of stainless steel. The balances have a possibility to weigh products out of the pan (under hook weighing) - the load hangs under the pan.

## DATABASES IN R SERIES BALANCES

The information system is based on 5 databases, which allows for several users to work with several products databases, and the registered weighing results can be subject to further analysis.

The data is registered in 5 databases:

- users (up to 10 users),
- products (up to 1000 products),
- weighments (up to 1000 weighments),
- tares (up to 10 tares),
- ALIBI memory (up to 100 000 weighments).

There is two directions data exchange within the system thanks to a quick USB interface. New balances allow to import and export databases using USB pen drives.

## ALIBI memory

The used ALIBI memory is a data secure area and allows to record up to 100 000 weighment records. It ensures security of constant data register in the long time period.

- Weighing
- Parts counting
- Checkweighing
- Percent setup
- Filling
- Summing function
- Statistics
- Density determination
- Animal weighing
- Caps lock of max indication
- Under-hook weighing

## Quick access to information

Direct access to functions and databases is possible from the level of keyboard.

**Database** – a direct access to databasis

**Function** - a direct access to the basic functions

**F1 to F4** – programmable function and navigation keys on the menu

## Technical data:

	PS 200/2000.R1	PS 210.R1	PS 360.R1	PS 600.R1	PS 750.R1	PS 1000.R1
Max capacity	200 / 2000 g	210 g	360 g	600 g	750 g	1000 g
Minimum load	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Readability	1 / 10 mg	1 mg	1 mg	1 mg	1 mg	1 mg
Tare range	-2000 g	-210 g	-360 g	-600 g	-750 g	-1000 g
Repeatability *	±2 / ±20 mg	±2 mg	±2 mg	±3 mg	±3 mg	±3 mg
Linearity	1 / 10 mg	1 mg	1 mg	1,5 mg	1,5 mg	1,5 mg
Pan size	128x128 mm					
Working temperature	+10 ÷ +40 °C					
Stabilization time	2 s / 1,5 s	2 s				
Sensitivity drift	2 ppm/°C in temperature +10 ÷ +40 °C					
Interface	2 x RS 232, USB-A, USB-B, WiFi - option					
Power supply**	12 ÷ 16 V DC / 250 mA					
Adjustment/calibration	external					
Display	LCD (backlit)					
Net weight/Gross weight	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg
Packaging size	470x380x336 mm					

\* Repeatability is expressed as a standard deviation from 10 weighing cycles.

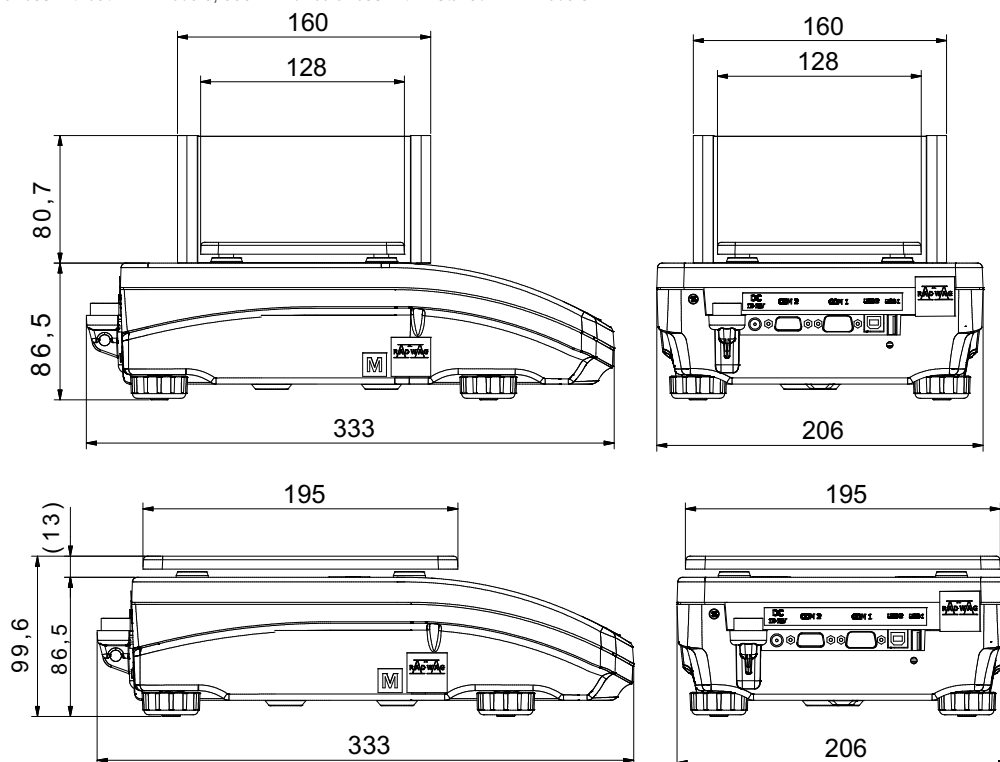
\*\* 250 mA for balances without WiFi module, 350 mA for balances with installed WiFi module

## Technical data:

	PS 1200.R1	PS 2100.R1	PS 3500.R1	PS 4500.R1	PS 6000.R1	PS 8000.R1
Max capacity	1200 g	2100 g	3500 g	4500 g	6000 g	8000 g
Minimum load	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg
Readability	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg
Tare range	-1200 g	-2100 g	-3500 g	-4500 g	-6000 g	-8000 g
Repeatability *	10 mg	10 mg	10 mg	10 mg	15 mg	15 mg
Linearity	±20 mg	±20 mg	±20 mg	±20 mg	±30 mg	±30 mg
Pan size	195×195 mm					
Working temperature	+10 ÷ +40 °C					
Stabilization time	1,5 s					
Sensitivity drift	2 ppm/°C w temperature +10 ÷ +40 °C					
Interface	2 × RS 232, USB-A, USB-B, WiFi - option					
Power supply**	12 ÷ 16 V DC / 250 mA					
Adjustment/calibration	external					
Display	LCD (backlit)					
Net weight/Gross weight	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg
Packaging size	470×380×336 mm					

\* Repeatability is expressed as a standard deviation from 10 weighing cycles.

\*\* 250 mA for balances without WiFi module, 350 mA for balances with installed WiFi module



## Accessories:

Antivibration table for laboratory balances	Bar code scanner USB HID
Antivibration table SAL/STONE	Power loop output AP2-1 (plastic housing)
Kafka thermal printer	Additional LCD display "WD-6"
Impact printer Epson	Power adapter with battery and charger ZR-02
Label printer Citizen	Mass standard
Printer USB PCL	Szafka przeciwpodmuchowa (do wag z szalką 128x128)
Density determination kit	USB A- USB B cable (balance - computer, balance - PLC printer)
Rack for under hook weighing	Cable RS 232 (scale - Kafka printer) "P0136"
"Tare" or "Print" foot button	Cable RS 232 (scale - computer) "P0108"
PC keyboard USB	Cable RS 232 (scale, Epson, Citizen printer) "P0151"
External USB memory (FAT files format)	"PW-WIN" computer software
Bar code scanner	"RAD-KEY" computer software

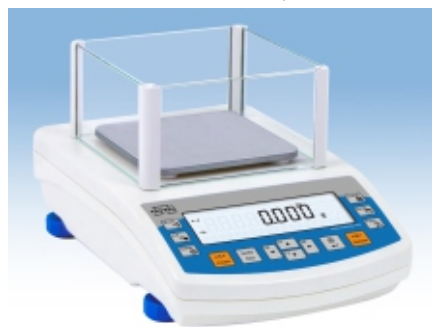
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# PS.R2 PRECISION BALANCES













release date 20-09-2013



PS.R2 series balances represent a new standard of precision balances. They **feature a new, readable LCD display** which allows a clearer presentation of the weighing result. Besides, the display has a new text information line allowing to show additional messages and data, e.g. product name or tare value.

New PS.R2 balances, like previously designed PS series balances, have pans in two possible dimensions: 128x128 mm or 195x195 mm. balances with a smaller pan have a draft shield. The balance precision and the measurement accuracy is assured by **automatic internal adjustment**, which takes into consideration temperature changes and time flow.

PS.R2 balances feature several communication interfaces: **2 x RS 232, type A USB, type B USB and optional WiFi**. The housing is made of plastic, and the pan is made of stainless steel. The balances have a possibility to weigh products out of the pan (under hook weighing) - the load hangs under the pan.

-  Weighing
-  Parts counting
-  Checkweighing
-  Percent setup
-  Filling
-  Summing function
-  Statistics
-  Density determination
-  Animal weighing
-  Caps lock of max indication
-  Under-hook weighing

## DATABASES IN R SERIES BALANCES

The information system is based on 5 databases, which allows for several users to work with several products databases, and the registered weighing results can be subject to further analysis.

The data is registered in 5 databases:

- users (up to 10 users),
- products (up to 1000 products),
- weighments (up to 1000 weighments),
- tares (up to 10 tares),
- ALIBI memory (up to 100 000 weighments).

There is two directions data exchange within the system thanks to a quick USB interface. New balances allow to import and export databases using USB pen drives.

## Quick access to information

Direct access to functions and databases is possible from the level of keyboard.

**Database** – a direct access to databasis

**Function** - a direct access to the basic functions

**F1 to F4** – programmable function and navigation keys on the menu

## ALIBI memory

The used ALIBI memory is a data secure area and allows to record up to 100 000 weighment records. It ensures security of constant data register in the long time period.

## Technical data:

	PS 200/2000.R2 <b>M</b>	PS 210.R2 <b>M</b>	PS 360.R2 <b>M</b>	PS 600.R2 <b>M</b>	PS 750.R2 <b>M</b>	PS 1000.R2 <b>M</b>
Max capacity	200 / 2000 g	210 g	360 g	600 g	750 g	1000 g
Minimum load	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Readability	1 / 10 mg	1 mg	1 mg	1 mg	1 mg	1 mg
Tare range	-2000 g	-210 g	-360 g	-600 g	-750 g	-1000 g
Repeatability *	1 / 10 mg	1 mg	1 mg	1 mg	1,5 mg	1,5 mg
Linearity	±2 / ±20 mg	±2 mg	±2 mg	±2 mg	±3 mg	±3 mg
Pan size	128x128 mm					
Working temperature	+10 ÷ +40 °C					
Stabilization time	2 s / 1,5 s	2 s				
Sensitivity drift	2 ppm/°C in temperature +10 ÷ +40 °C					
Interface	2 x RS 232, USB-A, USB-B, WiFi - option					
Power supply**	12 ÷ 16 V DC / 2,1 A					
Adjustment/calibration	internal (automatic)					
Display	LCD (backlit)					
Net weight/Gross weight	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg	3,5 / 5,5 kg
Packaging size	470x380x336 mm					

\* Repeatability is expressed as a standard deviation from 10 weighing cycles.

\*\* 250 mA for balances without WiFi module, 350 mA for balances with installed WiFi module

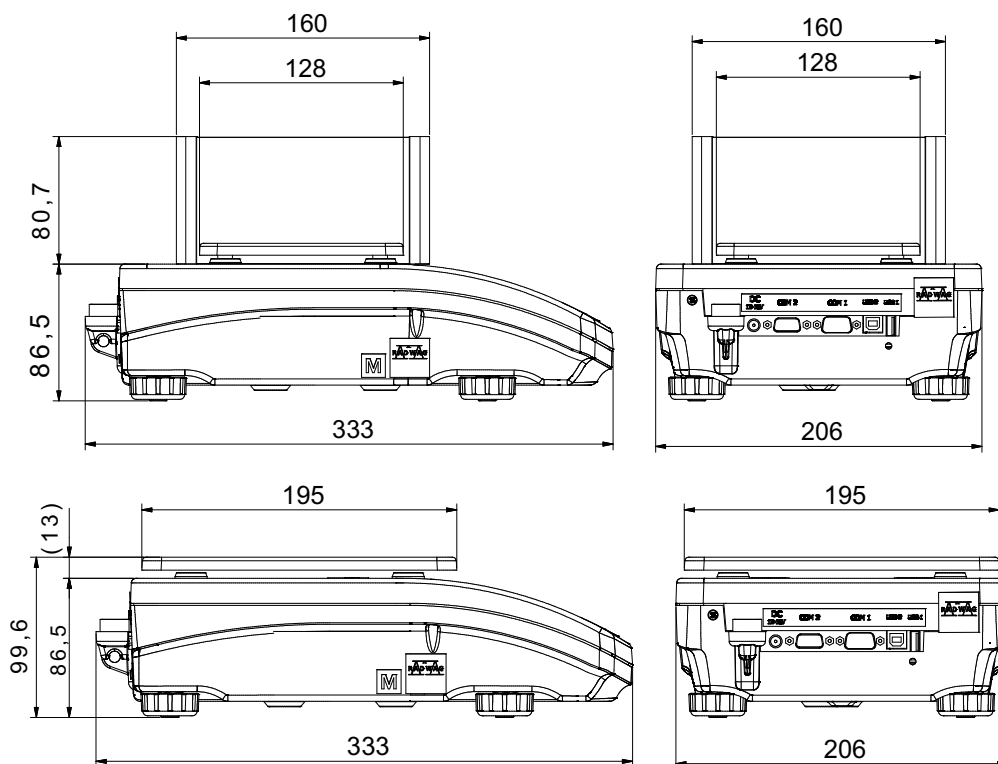


## Technical data:

	PS 1200.R2 <b>M</b>	PS 2100.R2 <b>M</b>	PS 3500.R2 <b>M</b>	PS 4500.R2 <b>M</b>	PS 6000.R2 <b>M</b>
Max capacity	1200 g	2100 g	3500 g	4500 g	6000 g
Minimum load	500 mg	500 mg	500 mg	500 mg	500 mg
Readability	10 mg	10 mg	10 mg	10 mg	10 mg
Tare range	-1200 g	-2100 g	-3500 g	-4500 g	-6000 g
Repeatability *	10 mg	10 mg	10 mg	10 mg	15 mg
Linearity	±20 mg	±20 mg	±20 mg	±20 mg	±30 mg
Pan size	195×195 mm				
Working temperature	+10 ÷ +40 °C				
Stabilization time	1,5 s				
Sensitivity drift	2 ppm/°C in temperature +10 ÷ +40 °C				
Interface	2 × RS 232, USB-A, USB-B, WiFi - option				
Power supply**	12 ÷ 16 V DC / 2,1 A				
Adjustment/calibration	internal (automatic)				
Display	LCD (backlit)				
Net weight/Gross weight	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg	3,6 / 5,1 kg
Packaging size	470×380×336 mm				

\* Repeatability is expressed as a standard deviation from 10 weighing cycles.

\*\* 250 mA for balances without WiFi module, 350 mA for balances with installed WiFi module



## Accessories:

Antivibration table for laboratory balances	Bar code scanner USB HID
Antivibration table SAL/STONE	Power loop output AP2-1 (plastic housing)
Kafka thermal printer	Additional LCD display "WD-6"
Impact printer Epson	Power adapter with battery and charger ZR-02
Label printer Citizen	Mass standard
Printer USB PCL	Szafka przeciwpodmuchowa (do wag z szalką 128x128)
Density determination kit	USB A- USB B cable (balance - computer, balance - PLC printer)
Rack for under hook weighing	Cable RS 232 (scale - Kafka printer) "P0136"
"Tare" or "Print" foot button	Cable RS 232 (scale - computer) "P0108"
PC keyboard USB	Cable RS 232 (scale, Epson, Citizen printer) "P0151"
External USB memory (FAT files format)	"PW-WIN" computer software
Bar code scanner	"RAD-KEY" computer software

## RADWAG Balances & Scales

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# ANALYTICAL BALANCES AS



release date 31-07-2013



Balances series AS represent standard level of analytical balances. They feature backlit LCD display. Accuracy and realibility of measurement are determined by internal automatic adjustment/calibration system triggered by time flow or temperature conditions.

Analytical series AS is offered with capacities: 110, 160, 220, 310 g with readability of 0,1 mg and 60/220g with readability 0,1/0,01 mg.

GLP procedure in AS series has a form of report from balance adjustment/calibration process, and its format is non-modifiable. User has access to a spacious weighing chamber with sliding side and top glass doors. Each balance features RS 232 output and additional display slot.

AS series offers the possibility of weighing loads under the weighing pan, i.e. under-hook weighing. In such case the load is weighed under the pan. It is an alternative for loads with non-standard dimensions, shapes and loads which create magnetic field. Under-hook weighing is also applied for density determination of materials.



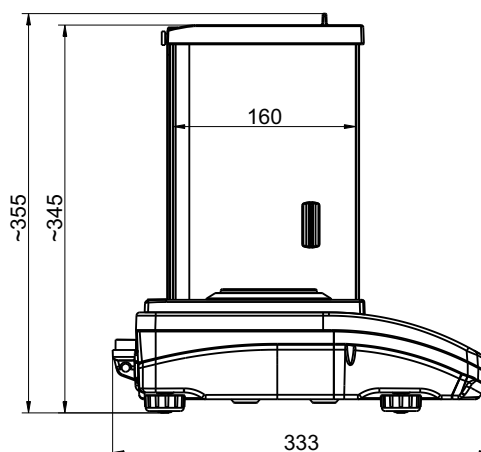
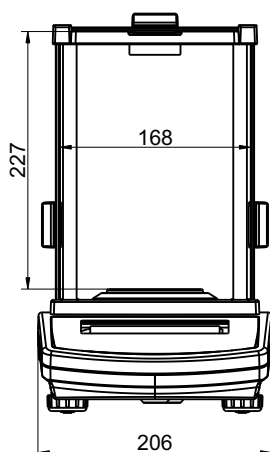
Parts counting



Density determination



Percent setup



## Technical data:

	AS 60/220/C/2	AS 110/C/2	AS 160/C/2	AS 220/C/2	AS 310/C/2 **
Max capacity	60 g/220 g	110 g	160 g	220 g	310 g
Minimal load	1 mg	10 mg	10 mg	10 mg	10 mg
Readability	0,01 mg/0,1 mg	0,1 mg	0,1 mg	0,1 mg	0,1 mg
Tare range	-220 g	-110 g	-160 g	-220 g	-310 g
Repeatability *	0,03 mg / 0,1 mg	0,1 mg	0,1 mg	0,1 mg	0,1 mg
Linearity	± 0,07 mg / 0,2 mg	± 0,2 mg	± 0,2 mg	± 0,2 mg	± 0,3 mg
Pan size	ø 70 mm	ø 85 mm	ø 85 mm	ø 85 mm	ø 85 mm
Stabilization time	6/3,5 s	3,5 s	3,5 s	3,5 s	3,5 s
Sensitivity drift	1 ppm/°C in temperature +15° ÷ +35°C				
Working temperature	+10° ÷ +40°C				
Relative air humidity ***	40% ÷ 80%				
Power supply	13,5 ÷ 16 V DC / 2,1 A				
Adjustment / Calibration	internal (automatic)				
Display	LCD (backlit)				
Net weight/Gross weight	5,6/8,3 kg	5,5/8,2 kg	5,6/8,3 kg	5,6/8,3 kg	5,6/8,3 kg
Packaging size	495×385×515 mm				

\* Repeatability is expressed as a standard deviation from 10 weighing cycles.

\*\*\* Non-condensing conditions

\*\* non-verified balance

## Additional equipment:

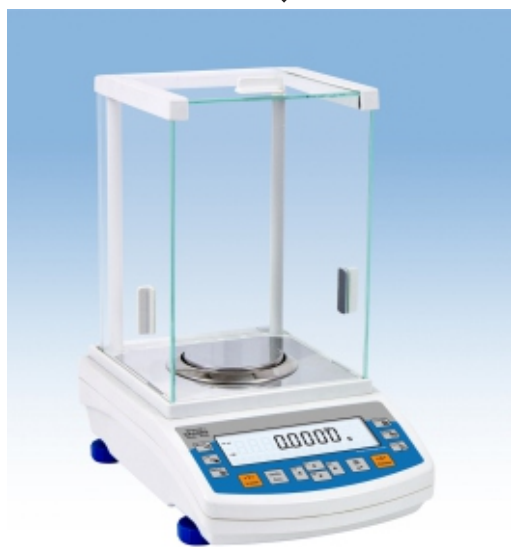
Antivibration table for laboratory balances	Density determination kit
Professional weighing table	Additional LCD display "WD-3/01"
Kafka thermal printer	Additional adapter for pipettes calibration
Dot matrix Epson printer	Power adapter with battery and charger ZR-02
Holders for glass vessels	Rack for under hook weighing
Air density determination kit	Standard mass
PW-WIN computer software	Antistatic cable
RAD-KEY computer software	Cable RS 232 (scale - Kafka printer) "P0136"
REC-FS computer software	Cable RS 232 (scale - computer) "P0108"
Antistatic ionizer DJ-02	Cable RS 232 (scale, Epson , Citizen printer) "P0151"
Ambient conditions module	



# AS.R PRECISION BALANCES



release date 20-09-2013



✓ Removable glass parts: side, top and back!

## Quick access to information

Direct access to functions and databases is possible from the level of keyboard.

**Database** – a direct access to databasis

**Function** - a direct access to the basic functions

**F1 to F4** – programmable function and navigation keys on the menu

## ALIBI memory

The used ALIBI memory is a data secure area and allows to record up to 100 000 weighing records. It ensures security of constant data register in the long time period.

The AS.R series represents a new standard level for analytical balances. They feature a **new, readable LCD display** which allows a clearer presentation of the weighing result. Besides, the display has a new text information line allowing to show additional messages and data, e.g. product name or tare value.

Additionally, the new R series balances by means of pictograms signal the activated working mode, connection with the Internet, the battery charge level, balance service functions. Also a number of displayed measuring units has been increased.

The balance precision and the measurement accuracy is assured by automatic internal adjustment, which takes into consideration temperature changes and time flow.

AS.R series balances feature several communication interfaces: **2 x RS 232, type A USB, type B USB and optional WiFi**. The housing is made of plastic, and the pan is made of stainless steel.

## DATABASES IN R SERIES BALANCES

In new AS.R series balances the information system is based on 5 databases, which allows for several users to work with several products databases, and the registered weighing results can be subject to further analysis.

The data is registered in 5 databases:

- users (up to 10 users),
- products (up to 1000 products),
- weighments (up to 1000 weighments),
- tares (up to 10 tares),
- ALIBI memory (up to 100 000 weighments).

There is two directions **data exchange** within the system thanks to a quick USB interface. New balances allow to import and export databases using **USB pen drives**.

- Weighing
- Parts counting
- Checkweighing
- Percent setup
- Filling
- Summing function
- Statistics
- Density determination
- Animal weighing
- Caps lock of max indication

## Technical data:

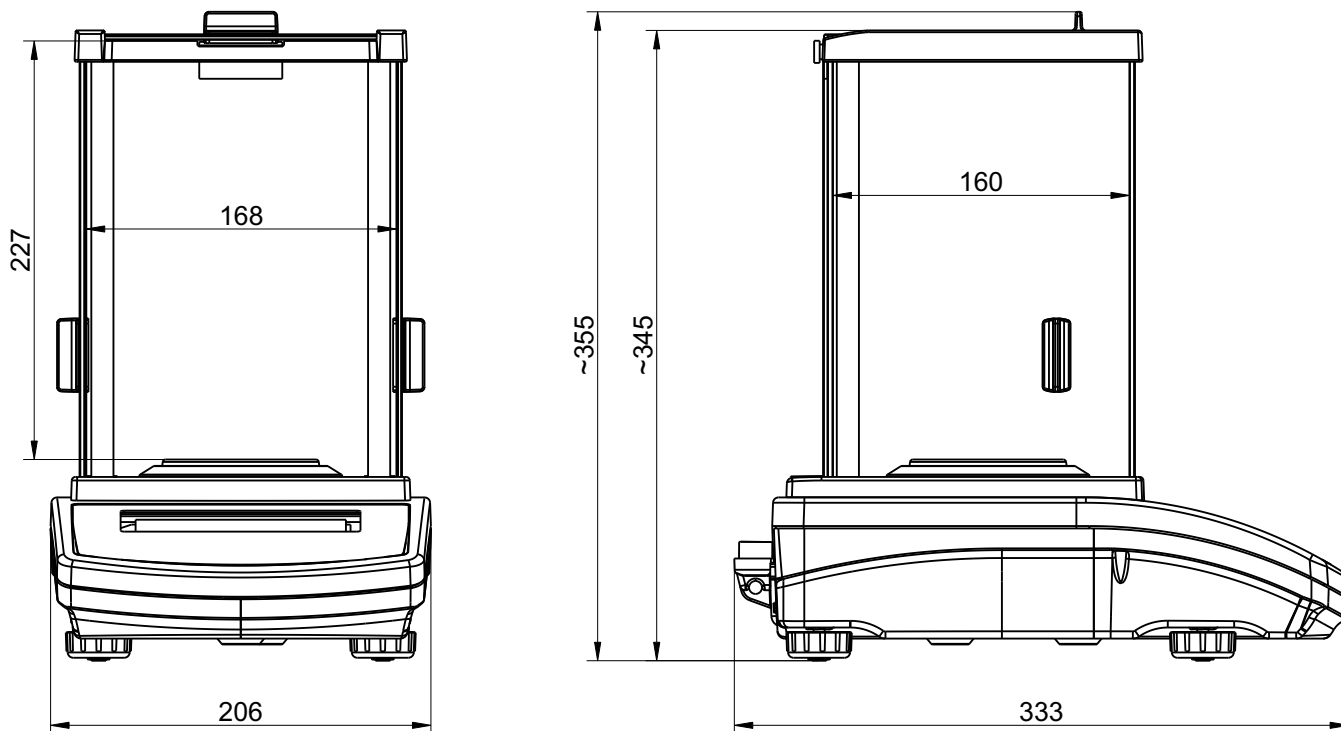
	AS 110.R2 <b>M</b>	AS 160.R2 <b>M</b>	AS 220.R2 <b>M</b>	AS 310.R2 <b>M</b>
Max capacity	110 g	160 g	220 g	310 g
Minimum load	10 mg	10 mg	10 mg	10 mg
Readability	0,1 mg	0,1 mg	0,1 mg	0,1 mg
Tare range	-110 g	-160 g	-220 g	-310 g
Repeatability *	0,1 mg	0,1 mg	0,1 mg	0,1 mg (for 220 g) 0,2 mg (for 220g + 310g)
Linearity	± 0,2 mg	± 0,2 mg	± 0,2 mg	± 0,2 mg
Pan size	Ø 85 mm	Ø 85 mm	Ø 85 mm	Ø 85 mm
Working temperature	+10° ÷ +40°C			
Relative air humidity **	40% ÷ 80%			
Stabilization time	3,5 s			
Sensitivity drift	1 ppm/°C in temperature +10° ÷ +40°C			
Interface	2 x RS 232, USB-A, USB-B, WiFi - option			
Power supply***	12 ÷ 16 V DC / 2,1 A			
Adjustment/calibration	internal (automatic)			
Display	LCD (backlit)			
Net weight/Gross weight	5,6 kg / 8,3 kg	5,6 kg / 8,3 kg	5,6 kg / 8,3 kg	5,6 kg / 8,3 kg
Packaging size	495×385×515 mm			

\* Repeatability is expressed as a standard deviation from 10 weighing cycles.

\*\* Non-condensing conditions

\*\*\* 250 mA for balances without WiFi module, 350 mA for balances with installed WiFi module

## Dimensions:



## Accessories:

Antivibration table SAL/STONE	Density determination kit
Rack for under hook weighing	Additional LCD display "WD-6"
Professional weighing table	Power adapter with battery and charger ZR-02
Kafka thermal printer	PC keyboard USB
Impact printer Epson	External USB memory (FAT files format)
Label printer Citizen	Mass standard
Printer USB PCL	Adjustment weight
Holders for glass vessels	USB A- USB B cable (balance - computer, balance - PLC printer)
"PW-WIN" computer software	Cable RS 232 (scale - Kafka printer) "P0136"
"RAD-KEY" computer software	Cable RS 232 (scale - computer) "P0108"
Antistatic ionizer DJ-02	Cable RS 232 (scale, Epson, Citizen printer) "P0151"
Bar code scanner	"Tare" or "Print" foot button
Bar code scanner USB HID	

### RADWAG Balances & Scales

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# PRECISION BALANCES WLC

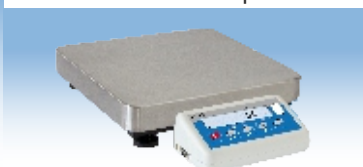








release date 23-09-2013



Balances series WLC are designed for fast and precise mass determination in laboratory and industrial conditions. They can also be used in areas with no access to mains (230V), as their standard equipment they include internal rechargeable battery and RS 232 output. WLC series, independently on model (pan size: 128×128, 125×145, 195×195, 290×360 and 400×500 mm) and capacity, features stainless steel weighing platform and backlit LCD display providing good reading of weighing result.

Balances series A2 offer the possibility of weighing loads outside weighing platform (so called under hook weighing), where a load is hanged under the instrument. This is an alternative for weighing loads with non-standard dimensions and shapes.



-  Parts counting
-  Checkweighing
-  Animal weighing
-  Percent setup
-  Caps lock of max indication
-  Measurement in Newton

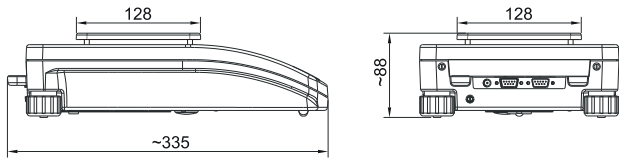
## Technical data:

	WLC 0,6/B1 <b>M</b>	WLC 0,6/A1 <b>M</b>	WLC 1/A2	WLC 2/A2	WLC 6/A2 <b>M</b>	WLC 10/A2	WLC 20/A2
Max capacity	0,6 kg	0,6 kg	1 kg	2 kg	6 kg	10 kg	20 kg
Minimal load	0,5 g	0,5 g	-	-	0,5 g	-	-
Reading unit	0,01 g	0,01 g	0,01 g	0,01 g	0,1 g	0,1 g	0,1 g
Verification unit	0,1 g	0,1 g	-	-	1 g	-	-
Tare range	-0,6 kg	-0,6 kg	-1 kg	-2 kg	-6 kg	-10 kg	-20 kg
Repeatability	0,01 g	0,01 g	0,03 g	0,03 g	0,1 g	0,3 g	0,3 g
Linearity	±0,01 g	±0,01 g	±0,03 g	±0,03 g	±0,1 g	±0,3 g	±0,3 g
Pan size	125 × 145 mm	128 × 128 mm			195 × 195 mm		
OIML class	II	II	-	-	II	-	-
Interface	RS 232						
Power supply	11V AC or 10,5+15V DC I <sub>max</sub> =600mA, and accumulator						
IP rating	IP 43						
Stabilization time	3 s						
Working temperature	+15° + +30 °C						
Display	LCD (backlit)						
Net weight/Gross weight	1,2 / 2 kg	2,8 / 3,8 kg			2,8 / 3,8 kg		
Packaging dimensions	320×210×150 mm	440×280×190 mm			440×280×190 mm		

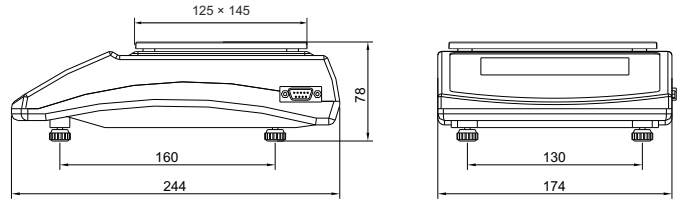
## Technical data:

	WLC 6/F1/R WLC 6/F1/K <b>M</b>	WLC 12/F1/R WLC 12/F1/K	WLC 30/F1/R WLC 30/F1/K	WLC 60/C2/R WLC 60/C2/K <b>M</b>	WLC 120/C2/R WLC 120/C2/K
Max capacity	6 kg	12 kg	30 kg	60 kg	120 kg
Minimal load	5 g	-	-	50 g	-
Reading unit	0,1 g	0,2 g	0,5 g	1 g	2 g
Verification unit	1 g	-	-	10 g	-
Tare range	-6 kg	-12 kg	-30 kg	-60 kg	-120 kg
Repeatability	0,3 g	0,6 g	1,5 g	1 g	2 g
Linearity	±0,3 g	±0,6 g	±1,5 g	±1 g	± 2 g
Pan size	300 × 300 mm		400 × 500 mm		
OIML class	II	-	-	II	-
Interface	RS 232				
Power supply	11V AC or 10,5+15V DC I <sub>max</sub> =600mA, and accumulator				
Stabilization time	3 s				
Working temperature	+15° - +30 °C				
Display	LCD (backlit)				
Net weight/Gross weight	5,2 / 6 kg			16 / 18 kg	
Packaging dimensions	570×390×170 mm			720×580×220 mm	

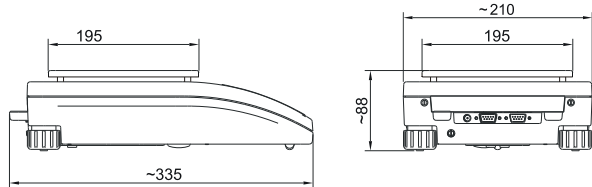
A1 version



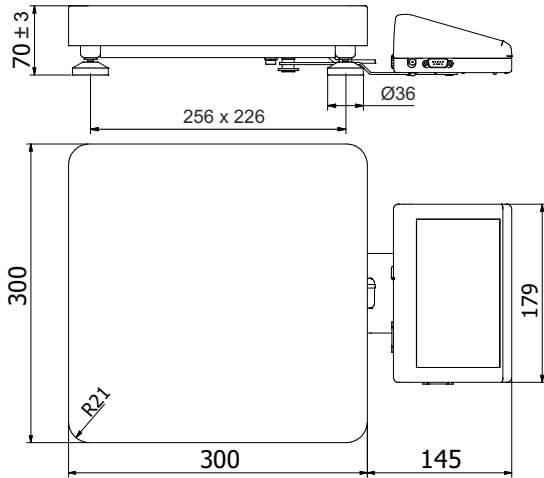
B1 version



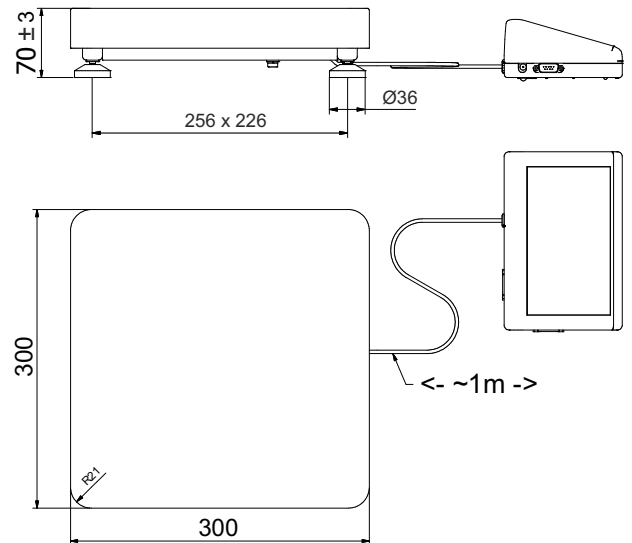
A2 version



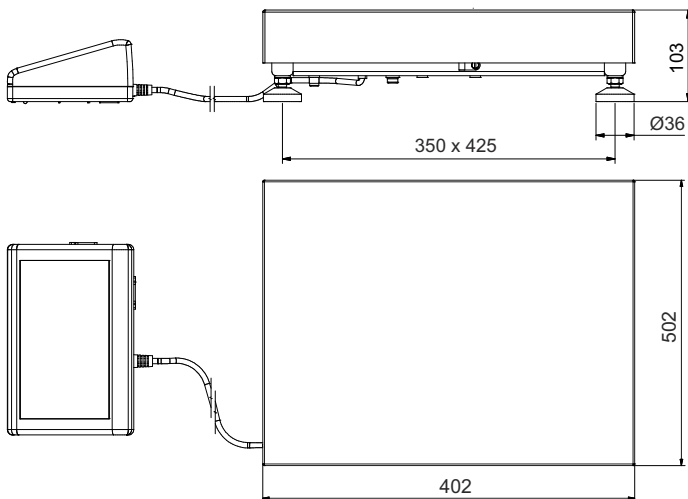
F1/R version



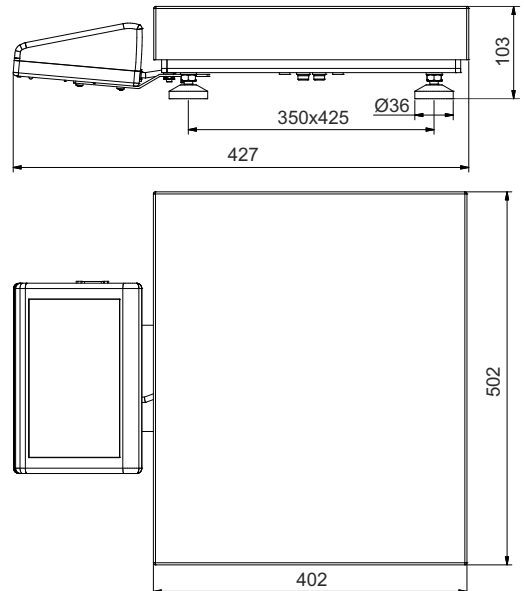
F1/K version



C2/K version



C2/R version



**Additional equipment:**

"KAFKA" THERMAL PRINTER

ADDITIONAL LCD DISPLAY

IMPACT "EPSON" PRINTER

DENSITY DETERMINATION KIT FOR SOLIDS AND LIQUIDS

RACK FOR UNDER HOOK WEIGHING

EXTERNAL BATTERY PACK WITH CHARGER

SUITCASE FOR BALANCE

COMPUTER SOFTWARE PW-WIN 2005, RAD-KEY 2000, REC-FS 2000

**RADWAG Balances & Scales**

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## Modèle WTB



	Comptage de pièces
	Pesage d'animaux
	Contrôle de tolérance +/-
	Pourcentage
	Totalisation
	Protection contre les surcharges

**STIMM**  
La Balance



**RADWAG**<sup>®</sup>

**Calibration externe**

**Carter Plastique et plateau en acier inox**

**Afficheur LCD avec rétro éclairage**

**Système de protection contre les surcharges**

**Configuration et paramétrage en fonction des conditions de travail**

**Sortie RS 232 bidirectionnelle configurable**

**Pieds réglables en hauteur**

**Bulle de niveau**

**Cage en plastique pour les courants d'air sur le modèle WTB 200**

**Alimentation secteur 230 Volts et batteries internes rechargeables**

## Modèle WTB

Paramètres techniques	WTB 200	WTB 2000
Max capacité	200 g	2000 g
Précision	0,001 g	0,01 g
Plage de tarage	-200 g	-2000 g
Répétabilité	0,003 g	0,03 g
Linéarité	±0,003 g	±0,03 g
Plateau	∅ 115 mm	125×145 mm
Temp. de travail	15° - +30° C	
Alimentation	secteur 230V AC et batteries	
Afficheur	LCD (avec rétro éclairage)	

### Equipements Optionnels

Table anti-vibration

Logiciels de traçabilité

Différents types d'imprimantes

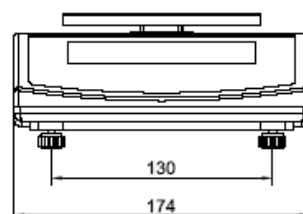
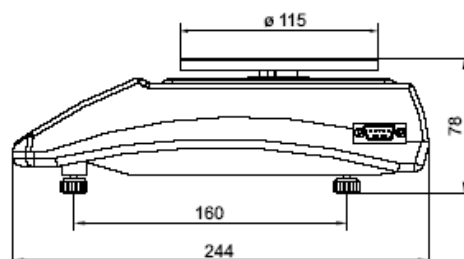
Batteries externes rechargeables

Kit de détermination de la densité

Afficheurs supplémentaire



WTB 200



WTB 2000

