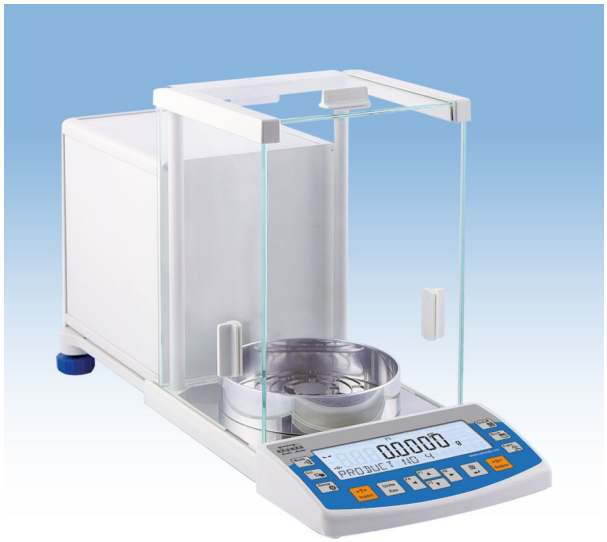
XA.R2 ANALYTICAL BALANCES

release date 14-01-2015



The **XA.R2 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.

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

XA.R2 series balances feature several communication interfaces: 2 x RS 232, type A USB, type B USB and optional WiFi.

The housing is made of aluminium and plastic (ABS). The pan is made of stainless steel.

- Parts counting
- Dosing
- Animal weighing
- Density determination
- Checkweighing
- Percent setup
- Statistics
- Pipettes calibration
- GLP Procedures

- **New menu structure**
- **Databases**
- **Communication interfaces**
- **Programmable buttons Hotkey**

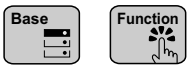
DATABASES IN R SERIES BALANCES

In new 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 subjected to further analysis.
The data is registered in 5 databases:
- users (up to 10 users),
- products (up to 1000 products),
- weighments (up to 5000 weighments),
- tares (up to 100 tares),
- ALIBI memory (up to 100 000 weighments).

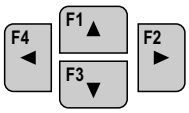
There is two directions data exchange within the system thanks to a quick USB interface. New balances allow to import and export databases using USB pen drives.

QUICK DATA ACCESS

The balance comprises 2 buttons enabling easy access to DataBase and Functions.

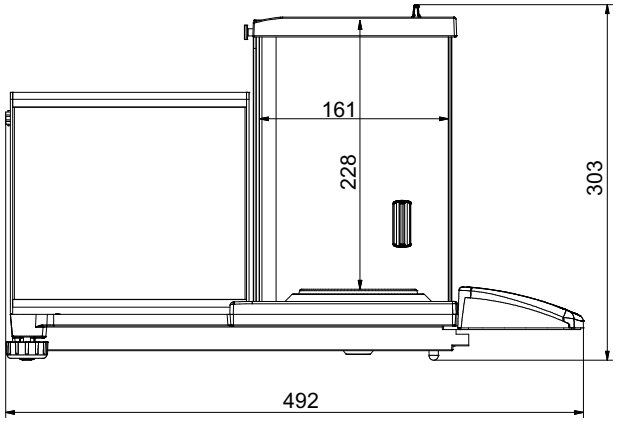


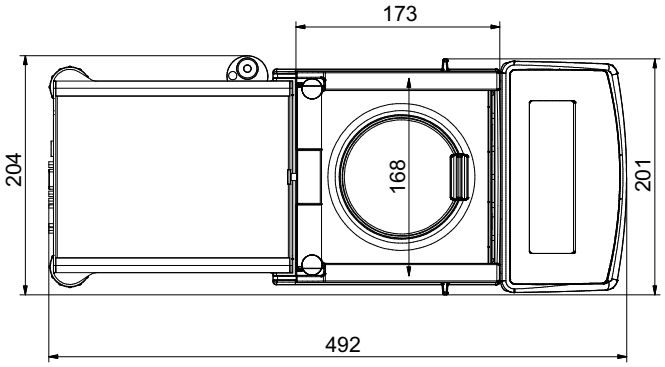
Additionally it is equipped with 4 programmable function keys F1-F4. The function keys can perform different operations for each mode:



- header printout,
- tare editing,
- footer printout,
- product selection.

Dimensions:





Technical data:

	XA 52.R2	XA 82/220.R2**	XA 101.R2
	-	-	-
Max capacity	52 g	82 / 220 g	101 g
Minimum load	1 mg	1 mg	1 mg
Readability	0,01 mg	0,01 / 0,1 mg	0,01 mg
Tare range	-52 g	-220 g	-101 g
Working temperature		+10° ÷ +40°C	
Relative air humidity ***		40% ÷ 80%	
Repeatability *	0,015 mg (Rt ≤ 20 g) 0,02 mg (20 g < Rt ≤ 52 g)	0,015 mg (Rt ≤ 20 g) 0,02 mg (20 g < Rt ≤ 50 g) 0,03 mg (50 g < Rt ≤ 82 g) 0,09 mg (82 g < Rt ≤ 220 g)	0,015 mg (Rt ≤ 20 g) 0,02 mg (20 g < Rt ≤ 50 g) 0,03 mg (50 g < Rt ≤ 82 g) 0,04 mg (82 g < Rt ≤ 101 g)
Linearity	±0,06 mg	±0,06 / 0,2 mg	±0,1 mg
Eccentric load deviation	0,06 mg	0,2 mg	0,2 mg
Sensitivity offset		$2 \times 10^{-6} \times Rt$	
Sensitivity temperature drift		1×10^{-6} / °C × Rt	
Sensitivity stability		1×10^{-6} / Year × Rt	
Minimum weight (USP)		30 mg	
Minimum weight (U = 1%, k = 2)		3 mg	
Stabilization time	6 s	6 s / 3,5 s	6 s
Interface		2×RS 232, USB A, USB B, WiFi - option	
Power supply ****		12 ÷ 16 V DC / 250 mA	
Adjustment/calibration		internal (automatic)	
Pan size		Ø 85	
Net weigh/Gross weight		9,5 kg / 14 kg	
Packaging size		715×385×485 mm	

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

Rt - net weight

** Balance in movable fine range version

*** Non-condensig conditions

**** 250 mA for balances without WiFi module, 400 mA for balances with installed WiFi module

Accessories:

Antivibration weighing bench	Bar code scanner RS232
Professional weighing bench	Bar code scanner USB HID
Epson impact printer	Density determination kit for solids and liquids
Citizen label printer	LCD display "WD-6"
Holders for glass vessels	USB PC keyboard
"Tare" or "Print" foot button	Additional adapter for pipettes calibration
"PW-WIN" computer software	Power adapter ZR-02
"RAD-KEY" computer software	Mass standard
"Pipettes" computer software	Cable RS 232 (balance - computer) "P0108"
Antistatic ioniser DJ-02	Cable RS 232 (balance - Epson, Citizen printer) "P0151"
USB PCL printer	Cable USB A - USB B (balance - computer, balance - PCL printer)
USB flash drive (FAT file format)	

RADWAG BALANCES & SCALES
ADVANCED WEIGHNIG TECHNOLOGIES

26-600 Radom • 28 Bracka Street • POLAND • Phone: +48 48 3848800 • Fax: +48 48 3850010
www.radwag.com • e-mail:export@radwag.com