AS.X2 ANALYTICAL BALANCES

CE **M 17** OIML ISO 9001 CERTIFIED

RADWAG ®

✔ **Removable panes: side, top and back!**

The AS.X2 series represents a **new advanced level** for analytical balances. The X2 series balances feature the latest generation capacitive display providing the maximum comfort of use, available right at your fingertips. Ease of operation, clear menu and practical arrangement of the display guarantee the best ergonomics for your everyday tasks. A wide array of available interfaces facilitate selection of the most optimal means for communication. The X2 series balances offer unlimited possibilities for cooperation with external devices, providing printing, copying, archiving and data transfer. Built-in IR sensors allow numerous operations (e.g. tarring, transmitting the result to a printer or selecting successive steps of a particular process, etc.) to be performed hands-free, by simply moving a hand across the sensor.
The housing is made of plastic, and the pan is made of stainless steel.

DATABASES IN X2 SERIES BALANCES

In new AS.X2 series balances the information system is based on 7 databases which allow several users to work with database storing several products. The registered weighing results can be subject to further analysis.

The data is registered in 7 databases:
- Users (up to 100 users),
- Products (up to 5 000 products),
- Weighments (up to 50 000 weighments),
- Packaging (up to 100 packaging types),
- Formulas (up to 100 formulas),
- Clients (up to 100 clients),
- ALIBI memory (up to 500 000 weighments).

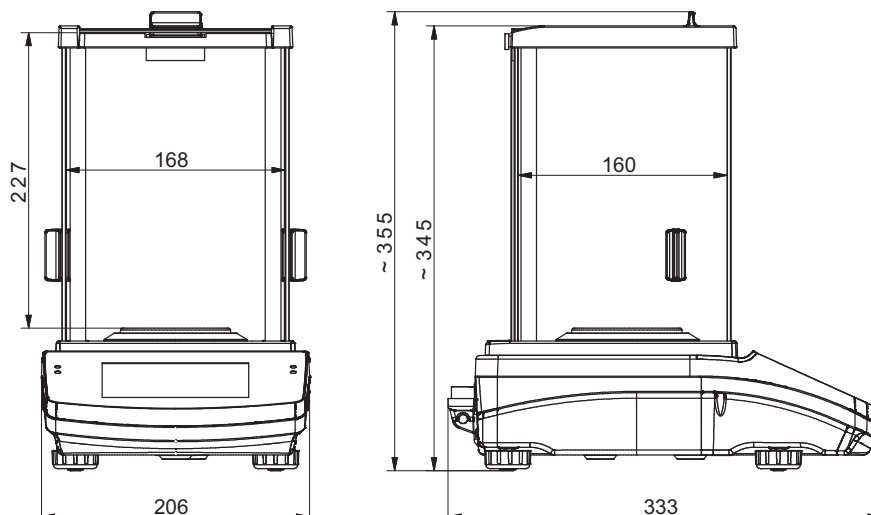**The X2 series features option of making reports of 2 different categories:**
- Reports on formulas (up to 200 reports),
- Reports on density determination (up to 500 reports).

ALIBI Memory

The X2 series balances feature ALIBI memory that is a warranty for safety and automatic recording of your measurements. Options such as data preview, copying and archiving are available to users as well.
The ALIBI memory allows to record up to 500 000 weighment records.

Personalization taken to the next level

The X2 is the only balance available on the market that provides a user with the option to design display using wide selection of widgets. Customised display of X2 series offers direct access to the results of your work and other important information directly from the home screen.

Weighing Data Management

USB interface facilitates quick transfer and copying of any results of your work (measurements, reports, databases) to other balances. Managing the databases of balances may be also carried out over network thanks to E2R system also offering the possibility of remote control. Network management of the weighing data increases effectivity, productivity and safety of the important data to the maximum.

- Parts counting
- Dosing
- Checkweighing
- Formulation
- Percent deviations
- Statistics
- Animal weighing
- Autotest (GLP, Filter)
- Density determination
- Air buoyancy compensation
- GLP procedures
- Under hook weighing
- Peak hold
- Infrared sensors
- Ambient conditions monitoring
- Newton unit measurement
- Replaceable units
- ALIBI Memory
- Mass for titrator

Dimensions:

227
168
~ 355
~ 345
160
206
333

Technical specification:

	AS 60-220.X2	AS 82-220.X2
Verification	YES	YES
Max capacity	60 g / 220 g	82 g / 220 g
Minimum load	1 mg	1 mg
Readability	0,01 mg / 0,1 mg	0,01 mg / 0,1 mg
Tare range	-220 g	-220 g
Repeatability *	0,015 mg (Rt ≤ 2 g) 0,02 mg (2 g < Rt ≤ 50 g) 0,03 mg (50 g < Rt ≤ 60 g) 0,1 mg (60 g < Rt ≤ 220 g)	0,015 mg (Rt ≤ 2 g) 0,02 mg (2 g < Rt ≤ 50 g) 0,03 mg (50 g < Rt ≤ 82 g) 0,1 mg (82 g < Rt ≤ 220 g)
Linearity	± 0,06 mg (to 60 g) ±0,2 mg (60 g ÷ 220 g)	± 0,06 mg (to 82 g) ±0,2 mg (82 g ÷ 220 g)
Pan size	open-work pan Ø 90 mm or Ø 85 mm (option)	
Working temperature	+10° ÷ +40°C	
Relative air humidity **	40% ÷ 80%	
Stabilization time	6 s / 3,5 s	6 s / 3,5 s
Sensitivity drift	1 ppm/°C in temperature +10° ÷ +40°C	
Minimum weight (USP)	30 mg	30 mg
Minimum weight (U = 1%, k = 2)	3 mg	3 mg
Interface	2 × RS 232, USB-A, USB-B, Ethernet, Wireless Module	
Power supply	12 ÷ 16 V DC / 450 mA	
Adjustment	internal (automatic)	
Display	5" colour capacitive touchscreen	
Net weight/Gross weight	5,3 kg / 7,3 kg	5,3 kg / 7,3 kg
Packaging size	495 × 400 × 515 mm	

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

** Non-condensing conditions

Technical specification:

	AS 220.X2		AS 310.X2
Verification	YES		YES
Max capacity	220 g		310 g
Minimum load	10 mg		10 mg
Readability	0,1 mg		0,1 mg
Tare range	-220 g		-310 g
Repeatability *	0,1 mg (Rt ≤ 220g)		0,1 mg (Rt ≤ 220g) 0,2 mg (220g < Rt ≤ 310g)
Linearity	± 0,2 mg		± 0,3 mg
Pan size	Ø 100 mm		Ø 100 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		
Minimum weight (USP)	200 mg		
Minimum weight (U = 1%, k = 2)	20 mg		
Interface	2 × RS 232, USB-A, USB-B, Ethernet, Wireless Module		
Power supply	12 ÷ 16 V DC / 450 mA		
Adjustment	internal (automatic)		
Display	5" colour capacitive touchscreen		
Net weight/Gross weight	5,3 kg / 7,3 kg	5,3 kg / 7,3 kg	5,3 kg / 7,3 kg
Packaging size	495×400×515 mm		

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

** Non-condensing conditions

Accessories:

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