

ANALYTICAL BALANCES AS



Balances series AS represent standard level of analytical balances. They are equipped with backlit LCD display. Accuracy and precise measurement of the balances are determined by internal calibration, dependant on time and temperature changes.

Analytical balances AS series are offered with following capacities: 110, 160, 220, 310 g with readability of 0,1 mg and 60/220 with readability 0,1/0,01 mg and 100 g with readability 0,01 mg.

GLP procedure of these balances is a report from calibration process of the balance, and this information has unchangeable shape (no modification possible). User has access to big measuring chamber with sliding doors and sliding top glass. Each balance is equipped with RS 232 output and possibility of connection of additional display as standard.

Balances have possibility of weighing loads under the weighing pan, i.e. under-hook weighing. In such case the mass of load is measured 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.



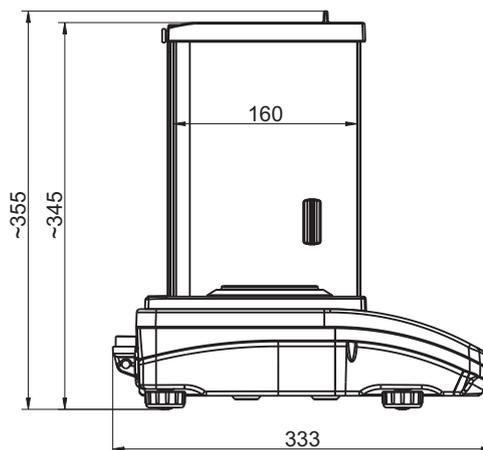
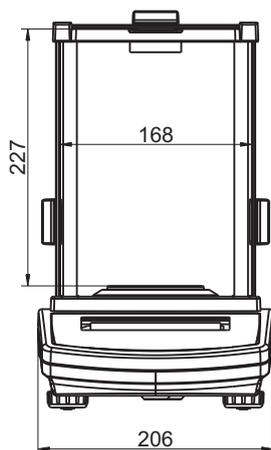
Counting pieces



Density determination



Percentage



Technical data:

	AS 60/C/2	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	60 g/220 g	110 g	160 g	220 g	310 g
Minimal load	1 mg	1 mg	10 mg	10 mg	10 mg	10 mg
Readability	0,01 mg	0,01 mg/0,1 mg	0,1 mg	0,1 mg	0,1 mg	0,1 mg
Tare range	-60 g	-220 g	-110 g	-160 g	-220 g	-310 g
Working temperature	+10° - +45°C					
Repeatability*	0,03 mg	0,03 mg (60g) 0,1 mg (160g+220g)	0,1 mg	0,1 mg	0,1 mg	0,1 mg (220g) 0,2 mg (220g+310g)
Linearity	± 0,05 mg	± 0,07 mg (60g) ± 0,3 (60g+220g)	± 0,2 mg	± 0,2 mg	± 0,2 mg	± 0,3 mg
Stabilization time	6 s	6/3,5 s	3,5 s	3,5 s	3,5 s	3,5 s
Sensitivity drift	2 ppm/°C in temperature +15° - +35°C					
Power supply	110-230 V AC / 50 ÷ 60 Hz / 13,5-16 V AC / 1,1 A					
Calibration	internal (automatic)					
Pan size	ø 70 mm	ø 70 mm	ø 85 mm	ø 85 mm	ø 85 mm	ø 85 mm
Net weight/Gross weight	5,5/8,2 kg	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-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	