



The ALC series from ACCULAB offers excellent performance in an economical entry-level model in the analytical class, and meets the most common requirements for today's laboratory applications.

All ALC models are made with state-of-the-art technology to provide high accuracy, repeatability and outstanding features at a remarkably affordable price. ALC models are distinguished by attractive design, compact housing and user-friendly operation. Whether you are weighing precious metals, counting parts, or measuring chemicals and liquids, the ALC series is the right choice.



Model with 1 mg readability



RS-232 data interface



Performance features:

- Fast response times and very stable weighing results
- Four application programs
- Easy operation
- Connectivity for printer and computer

Product description:

- Rugged housing made of ABS plastic with liquid crystal display (LCD)
- 20 units of measurement to choose from
- Applications include: counting, weighing in percent, averaging, net/total formulation
- Digital filter for optimum adaptation to ambient conditions
- Lock-down capability (for anti-theft locking device) built-in
- Serial bidirectional RS-232 data interface
- Stainless steel weighing pans
- External calibration/adjustment at the press of a key
- Analytical balances with large glass draft shield that offers 3-way accessibility
- Level indicator and adjustable feet standard on all models

Analytical and precision balances in the ALC series

Model number	Weighing capacity	Readability	Linearity	Repeatability	Pan size
ALC-210.4	210 g	0.1 mg	≤± 0.2 mg	≤± 0.1 mg	Ø 80 mm / 3.15"
ALC-310.3*	310 g	1 mg	≤± 0.002 g	≤± 0.001 g	Ø 80 mm / 3.95"
ALC-1100.2	1.100 g	0.01 g	≤± 0.03 g	≤± 0.015 g	Ø 150 mm / 5.9"
ALC-3100.2	3.100 g	0.01 g	≤± 0.02 g	≤± 0.01 g	Ø 150 mm / 5.9"
ALC-2100.1	2.100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	Ø 150 mm / 5.9"
ALC-6100.1	6.100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	Ø 150 mm / 5.9"

* Round glass draft shield included

Analytical and Toploading Balances

Product Specifications



ACCULAB ALC-210.4

Electronic analytical balance with 7-segment display, stability indicator and 4 selectable filter levels with optimized display updating

Weighing capacity	200 g
Readability	0.1 mg
Tare range (subtractive)	200 g
Repeatability	$\leq \pm 0.1$ mg
Linearity	$\leq \pm 0.3$ mg
Calibration weight	200 g

Weighing pan	\emptyset 80 mm
Balance housing (WxDxH)	200x270x300 mm
Net weight	approx. 3.0 kg



ACCULAB ALC-310.3

Electronic precision balance with 7-segment display, stability indicator and 4 selectable filter levels with optimized display updating

Weighing capacity	310 g
Readability	0.001 g
Tare range (subtractive)	310 g
Repeatability	$\leq \pm 0.001$ g
Linearity	$\leq \pm 0.03$ g
Calibration weight	200 g

Weighing pan	\emptyset 80 mm
Balance housing (WxDxH)	200x270x120 mm
Net weight	approx. 2.2 kg



ACCULAB ALC-1100.2

Electronic precision balance with 7-segment display, stability indicator and 4 selectable filter levels with optimized display updating

Weighing capacity	1100 g
Readability	0.01 g
Tare range (subtractive)	1100 g
Repeatability	$\leq \pm 0.03$ g
Linearity	$\leq \pm 0.03$ g
Calibration weight	1000 g

Weighing pan	\emptyset 150 mm
Balance housing (WxDxH)	200x270x75 mm
Net weight	approx. 1.4 kg



ACCULAB ALC-3100.2

Electronic precision balance with 7-segment display, stability indicator and 4 selectable filter levels with optimized display updating

Weighing capacity	3100 g
Readability	0.01 g
Tare range (subtractive)	3100 g
Repeatability	$\leq \pm 0.01$ g
Linearity	$\leq \pm 0.02$ g
Calibration weight	2000 g

Weighing pan	\emptyset 150 mm
Balance housing (WxDxH)	200x270x75 mm
Net weight	approx. 2.2 kg



ACCULAB ALC-2100.1

Electronic analytical balance with 7-segment display, stability indicator and 4 selectable filter levels with optimized display updating

Weighing capacity	2100 g
Readability	0.1 g
Tare range (subtractive)	2100 g
Repeatability	$\leq \pm 0.1$ g
Linearity	$\leq \pm 0.2$ g
Calibration weight	F2,1000 g

Weighing pan	\emptyset 150 mm
Balance housing (WxDxH)	200x270x75 mm
Net weight	approx. 1.4 kg



ACCULAB ALC-6100.1

Electronic analytical balance with 7-segment display, stability indicator and 4 selectable filter levels with optimized display updating

Weighing capacity	6100 g
Readability	0.1 g
Tare range (subtractive)	6100 g
Repeatability	$\leq \pm 0.1$ g
Linearity	$\leq \pm 0.2$ g
Calibration weight	5000 g

Weighing pan	\emptyset 150 mm
Balance housing (WxDxH)	200x270x75 mm
Net weight	approx. 1.4 kg

Standard equipment/features:

- Serial RS-232 bidirectional data interface
- AC adapter
- Lock-down capability (for anti-theft locking device)
- Overload protection
- Built-in application programs: net-total, weighing in %, counting, toggling weight units, dynamic weighing