

# ALC Series

## Precision Analytical and Toploading Balances

# ACCULAB

sartorius group



Analytical series with glass chamber

The ALC series from Acculab offers excellent performance for even the most demanding users. They meet all the requirements for efficient workflow and accurate results required in many of today's demanding laboratory applications.

All ALC models are made with state-of-the-art technology to provide accuracy, repeatability and outstanding performance at remarkably affordable prices. ALC balances are distinguished by an attractive design, durable ABS housing and user-friendly operation.

The ALC line consists of three analytical and



Toploader model with round stainless steel pan

nine toploader balances covering the most popular weighing ranges. Whether it's weighing precious metals, counting parts, or measuring chemicals and liquids, Acculab ALC series will answer your application needs efficiently and accurately.

### Product features and highlights:

- Advanced microprocessor for accurate weighing results, digital filtering and fast stabilization
- Large LCD display
- Stainless steel weighing platform
- RS-232 bi-directional interface for connection to computer or printer
- Lock-down capability
- Four selectable application programs
- 20 different weighing modes
- Simple "one button" external calibration

### Integrated Applications:

- Piece counting (5, 10, 20, 50, 100 selectable reference sampling)
- Percent weighing for solids, moisture loss, formulation, quality control
- Averaging for unstable ambient conditions
- Net totaling for formulation
- User selectable two unit toggling

### Analytical and precision balances in the ALC series

Model No.	Capacity	Readability	Repeatability	Pan Size	Calibration Weight**	Shipping Weight
ALC-80.4	80 g	0.1 mg	± 0.1 mg	3.15" / Ø 80 mm	50 g	10.8 lbs / 4.9 kg
ALC-110.4	110 g	0.1 mg	± 0.1 mg	3.15" / Ø 80 mm	100 g	10.8 lbs / 4.9 kg
ALC-210.4	210 g	0.1 mg	± 0.1 mg	3.15" / Ø 80 mm	200 g	11.4 lbs / 5.2 kg
ALC-150.3*	150 g	1 mg	± 0.0015 g	3.95" / Ø 100 mm	100 g	6.2 lbs / 2.8 kg
ALC-320.3*	320 g	1 mg	± 0.001 g	3.95" / Ø 100 mm	200 g	7.3 lbs / 3.3 kg
ALC-810.2	810 g	0.01 g	± 0.01 g	4.6" / Ø 116 mm	500 g	5.3 lbs / 2.4 kg
ALC-1100.2	1,100 g	0.01 g	± 0.015 g	5.9" / Ø 150 mm	1 kg	5.3 lbs / 2.4 kg
ALC-2100.2	2,100 g	0.01 g	± 0.01 g	5.9" / Ø 150 mm	2 kg	6.4 lbs / 2.9 kg
ALC-3100.2	3,100 g	0.01 g	± 0.01 g	5.9" / Ø 150 mm	2 kg	6.4 lbs / 2.9 kg
ALC-2100.1	2,100 g	0.1 g	± 0.1 g	5.9" / Ø 150 mm	2 kg	5.3 lbs / 2.9 kg
ALC-4100.1	4,100 g	0.1 g	± 0.1 g	5.9" / Ø 150 mm	2 kg	5.3 lbs / 2.9 kg
ALC-6100.1	6,100 g	0.1 g	± 0.1 g	5.9" / Ø 150 mm	5 kg	5.3 lbs / 2.9 kg

\* Round glass draft shield included

\*\* Recommended calibration weight (not included)



Standard RS-232



Round draft shield included with mg models



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### ALC Analytical Specifications

Model Number	ALC-80.4	ALC-110.4	AL-210.4
Capacity	80g	110g	210g
Readability	0.1mg	0.1mg	0.1mg
Tare Range (subtractive)	80g	110g	210g
Repeatability	+(-) 0.1mg		
Linearity	+(-) 0.3mg		
Corner Load	+(-) 0.3mg	+(-) 0.4mg	+(-) 0.4mg
External Calibration Weight	50g	100g	200g
Weighing Modes	Grams, Pounds, Pounds:Ounces, Ounces, Grains, Parts per pound, Milligrams, Carats, Pennyweight, Troy ounces, Taiwanese Taels, Hong Kong Taels, Singapore Taels, Chinese Taels, Mommies, Austrian Carats, Tola, Baht, Mesghal		
Applications	Mass unit conversion, Counting, Percent weighing, Averaging, Unit Toggle		
Display Type	LCD		
Audio Tone	At start up and function keys		
Overload Protection	Yes		
Overload Indication	Displays "H"		
Underload Indication	Displays "L"		
Operating Humidity	Less than 95% RH		
Operating Temperature	50F to 86F (10C to 30C)		
Allowable Ambient Operating Temperature	41F to 104F (5C to 40C)		
Stabilization Time (typical)	2.5 seconds		
Adaption to Ambient Conditions	By selection of 1 of 4 optimized filter settings		
Display Update (depends on the filter setting selected)	0.2-0.8 seconds		
Net Weight (kg/lbs)	3.0 kg / 6.6 lbs		
Pan Size/ Type	80 mm (3.3") diameter pan, stainless steel		
Weighing Chamber Height	200 mm (7.9")		
Dimensions (WxDxH)	200 x 270 x 300 mm (7.9 x 10.6 x 11.8")		
Shipping Dimensions/Weight	400 x 300 x 440 mm (15.7 x 11.8 x 17.3") / 4.9kg (10.8 lbs)		
Power Requirements (direct current)	10-20V		
AC Power Requirements	AC adapter, 115V or 230V, +15%...-20%		
Frequency	48-60 Hz		
Power Consumption (avg)	1 Watt		
Optional Accessories	Calibration weights, RS232 Interface Cable		
Warranty	2 Year Manufacture Warranty		

**Foot Notes**

Performance specifications measured within optimum temperature range and proper calibration.

Specifications subject to change without notice.