

SOLIS

With a high-resolution graphic display and intuitive features, Solis balances provide an outstanding solution for a variety of lab applications. The Solis is ideal for research and quality assurance labs; science education; precision counting; and general laboratory requirements. The Solis keypad is simple to use, with easy-to-read buttons and helpful navigation arrows for uncomplicated operation.

Intuitive Graphic Display and Keypad

- Large graphic display for easy reading and simple keypad permit easy operation
- Set display preferences for, language, date & time etc.
- Graphic capacity tracker continually displays used /available balance capacity during weighing operations

Comprehensive Results

- Measurements displayed in seconds with all pertinent data for the active application
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines

Data Storage and Formulation

- Built-in memory for storing products and settings
- Formulation/Recipe function with up to 99 ingredients
- Store and recall formulas, set max and min ingredient thresholds



Models for a range of applications



Semi-Micro Balances

Dual-range models with 120g and 220g capacity and 0.01mg/0.1mg readability



Analytical Balances

Capacities from 120g to 510g with 0.1mg readability



Precision Balances

Capacities from 360g to 2100g, with 0.001g and 3200g to 8200g with 0.01g readability

Applications that make the Solis an outstanding value



Checkweighing

Obtain consistency for products and batches by verifying if the weight of a particular item is above, below or at a user selectable specified weight.



Percentage Weighing

Instantly calculate percentages or compare products with a master reference sample weight. Use percentage weighing to improve quality checking processes.



Parts Counting

Achieve high levels of counting accuracy to track and record inventory. Solis is ideal for many tasks, such as measuring pharmaceutical products or tallying small parts or components in manufacturing operations. Enter a sample count or look up parts from a stored database. The display shows the unit weight, number of pieces counted, and total weight.



Density Determination

Calculate density of liquids or solids instantly within the balance when used with optional density kit.

(available with select models).



Dynamic / Animal Weighing

Improve measurement accuracy when weighing animals or liquids. When weighing animals, the balance calculates the average weight based on the force exerted by the animal over a period of time, then freezes the displayed result. Dynamic weighing is also helpful when weighing substances that move such as liquids.



Weighing

Solis offers a wide range of weighing units to facilitate numerous lab applications. Users can program a custom unit for unique unit weight calculations.

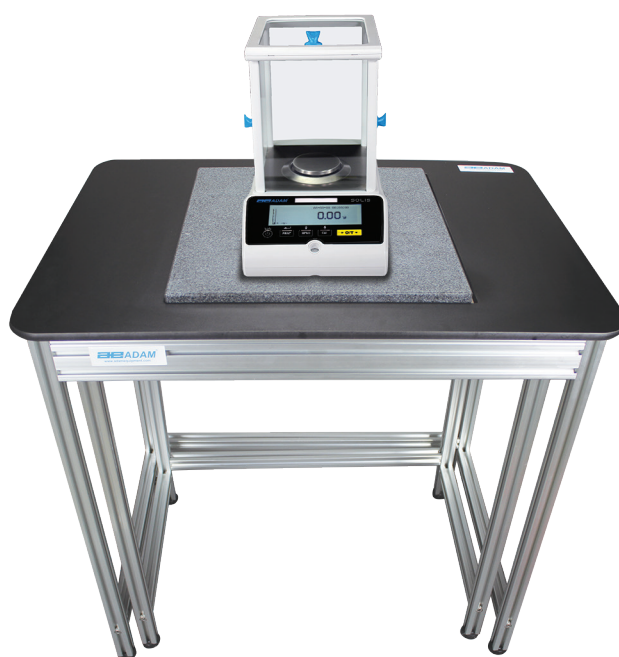


Formulation/ Recipe

Prepare a compound by dosing a set of components in manual mode or recall a formula with ingredients and tolerances previously stored.

Features

- High-resolution graphic display
- Level indicator and adjustable feet ensure proper balance setup for optimum weighing results
- RS-232 interface is available to provide speedy connection to computers and printer
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Multilingual display permits use in various regions
- Checkweighing with audible alarm



Model	SAB 125i	SAB 225i	SAB 124e	SAB 224e	SAB 314e	SAB 124i	SAB 224i	SAB 314i	SAB 414i	SAB 514i
Capacity	62g/ 120g	82g/ 220g	120g	220g	310g	120g	220g	310g	410g	510g
Readability	0.01mg/ 0.1mg	0.01mg/ 0.1mg	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
Repeatability (S.D.)	0.02mg/ 0.1mg	0.02mg/ 0.1mg	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g
Linearity (+/-)	0.1mg / 0.2mg	0.1mg / 0.2mg	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g
Pan Size	80mm ϕ									
Weighing Units	g, mg, lb, oz, ct, GN, dwt, mm, ozt, T, tl.H, tl.S, tl.T, custom unit									
Stabilization Time (sec)	6					4				
Interface	RS-232									
Calibration	Internal automatic calibration			External calibration			Internal automatic calibration			
Display	Graphic display with 15mm -high digits									
Power Supply	24V 50/60Hz 500mA adapter									
Operating Temperature	10° to 30°C									
Housing	ABS plastic									
Draft Shield	Chamber 7.6"x7.7"x9.1" / 192x195x230mm									
Overall Dim.	224x374x338mm (wxdxh)									
Net Weight	7kg			6.7kg			7kg			

Model	SPB 363e	SPB 723e	STB 3202e	STB 6202e	STB 8202e	SPB 363i	SPB 723i	SPB 1203i	SPB 2103i	STB 3202i	STB 6202i
Capacity	360g	720g	3200g	6200g	8200g	360g	720g	1200g	2100g	3200g	6200g
Readability	0.001g	0.001g	0.01g	0.01g	0.01g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g
Repeatability (S.D.)	0.002g	0.002g	0.02g	0.02g	0.02g	0.002g	0.002g	0.002g	0.002g	0.02g	0.02g
Linearity (+/-)	0.003g	0.003g	0.03g	0.03g	0.04g	0.003g	0.003g	0.003g	0.005g	0.03g	0.03g
Pan Size	4.3" ϕ / 110mm ϕ		7.5"x7.5" / 185x185mm			4.3" ϕ / 110mm ϕ				7.5"x7.5" / 185x185mm	
Weighing Units	g, mg, lb, oz, ct, GN, dwt, mm, ozt, T, tl.H, tl.S, tl.T, custom unit										
Stabilization Time (sec)	3										
Interface	RS-232										
Calibration	External calibration					Internal automatic calibration					
Display	Graphic display with 15mm -high digits										
Power Supply	24V 50/60Hz 500mA adapter										
Operating Temperature	10° to 30°C										
Housing	ABS plastic										
Draft Shield	Chamber 192x195x115mm		N/A			Chamber 192x195x115mm				N/A	
Overall Dim.	224x374x219mm (wxdxh)		224x374x95mm (wxdxh)			224x374x219mm (wxdxh)				224x374x95mm (wxdxh)	
Net Weight	14.1lb / 6.4kg										

Accessories

Item number	Description
104008036	Anti-vibration table
1060014262	Density kit
3012014259	In-use cover
3014011014	RS-232 cable M-F
700100410	ABI-1 Ionizer
1120011156	ATP thermal printer
3126011263	ATP thermal printer paper
3126011281	ATP thermal printer paper (pack of 10)
600002028	AdamDU Data Collection Program
700660290	Calibration certificate
3014013041	Security lock cable

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