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.

Comprehensive Results

Data Graphing readily displayed

- 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

Fast recall streamlines testing

- 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

Intuitive Graphic Display and Keypad

Easy navigation

- 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

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 8200g, with 0.001g and 0.01g readabilities

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).

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.

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.

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

SOLIS

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 (+/-)	0.05mg / 0.2mg	0.1mg / 0.2mg	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g
Pan Size	3.1" ø									
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 0.6" -high digits									
Power Supply	24V 50/60Hz 500mA adapter									
Operating Temperature	10° to 30°C / 50° to 86°F									
Housing	ABS plastic									
Draft Shield	Chamber 7.6"x7.7"x9.1"									
Overall Dim.	8.8"x14.7"x13.3" (wxdxh)									
Net Weight	15.4lb		14.8lb			15.4lb				

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" ø		7.3"x7.3"			4.3" ø				7.3"x7.3"	
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 0.6"/ 15mm -high digits										
Power supply	9VDC 1A adapter	24V 50/60Hz 500mA adapter	9VDC 1A adapter	24V 50/60Hz 500mA adapter		9VDC 1A adapter	24V 50/60Hz 500mA adapter			9VDC 1A adapter	24V 50/60Hz 500mA adapter
Operating Temperature	50° to 86°F										
Housing	ABS plastic										
Draft Shield	Chamber 7.6"x7.7"x4.5"		N/A			Chamber 7.6"x7.7"x4.5"				N/A	
Overall Dim.	8.8"x14.7"x8.6" (wxdxh)		8.8"x14.7"x3.7" (wxdxh)			8.8"x14.7"x8.6" (wxdxh)				8.8"x14.7"x3.7" (wxdxh)	
Net Weight	14.1lb					14.8lb					

Accessories

Item number	Description
104008036	Anti-vibration table
1060014262	Density kit
3012014259	In-use wet cover
3014011014	RS-232 cable M-F
700100410	ABI-1 Ionizer
1120014641	AIP impact printer
1120011156	ATP thermal printer
700100046	Kensington-type lock and cable
600002028	AdamDU Data Collection Program
700660290	Calibration certificate
700100398	E1 5g Calibration Weight
700100399	E1 10g Calibration Weight
700100400	E1 20g Calibration Weight
700100401	E1 50g Calibration Weight
700100022	E2 100g calibration weight
700100023	E2 200g calibration weight
700100008	F1 500g Calibration Weight
700100007	F1 100g Calibration Weight
700100009	F1 1kg Calibration Weight
700100012	F1 200g Calibration Weight
700100010	F1 2kg Calibration Weight

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