



# 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 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.



### 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.



### 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.



### Percentage Weighing

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



### 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.



### 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
<b>Capacity</b>	62g/ 120g	82g/ 220g	120g	220g	310g	120g	220g	310g	410g	510g
<b>Readability</b>	0.01mg/ 0.1mg	0.01mg/ 0.1mg	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
<b>Repeatability (S.D.)</b>	0.02mg/ 0.1mg	0.02mg/ 0.1mg	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g	0.0002g
<b>Linearity (+/-)</b>	0.1mg / 0.2mg	0.1mg / 0.2mg	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g	0.0003g
<b>Pan Size</b>	80mm ø									
<b>Weighing Units</b>	g, mg, lb, oz, ct, GN, dwt, mm, ozt, T, tl.H, tl.S, tl.T, custom unit									
<b>Stabilization Time (sec)</b>	6					4				
<b>Interface</b>	RS-232									
<b>Calibration</b>	Internal automatic calibration			External calibration			Internal automatic calibration			
<b>Display</b>	Graphic display with 15mm -high digits									
<b>Power Supply</b>	24V 50/60Hz 500mA adapter									
<b>Operating Temperature</b>	10° to 30°C									
<b>Housing</b>	ABS plastic									
<b>Draft Shield</b>	Chamber 192x195x230mm									
<b>Overall Dim.</b>	224x374x338mm (wxdxh)									
<b>Net Weight</b>	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
<b>Capacity</b>	360g	720g	3200g	6200g	8200g	360g	720g	1200g	2100g	3200g	6200g
<b>Readability</b>	0.001g	0.001g	0.01g	0.01g	0.01g	0.001g	0.001g	0.001g	0.001g	0.01g	0.01g
<b>Repeatability (S.D.)</b>	0.002g	0.002g	0.02g	0.02g	0.02g	0.002g	0.002g	0.002g	0.002g	0.02g	0.02g
<b>Linearity (+/-)</b>	0.003g	0.003g	0.03g	0.03g	0.04g	0.003g	0.003g	0.003g	0.005g	0.03g	0.03g
<b>Pan Size</b>	110mm ø		185x185mm			110mm ø			185x185mm		
<b>Weighing Units</b>	g, mg, lb, oz, ct, GN, dwt, mm, ozt, T, tl.H, tl.S, tl.T, custom unit										
<b>Stabilization Time (sec)</b>	3										
<b>Interface</b>	RS-232										
<b>Calibration</b>	External calibration					Internal automatic calibration					
<b>Display</b>	Graphic display with 15mm -high digits										
<b>Power supply</b>	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	
<b>Operating Temperature</b>	10° to 30°C										
<b>Housing</b>	ABS plastic										
<b>Draft Shield</b>	Chamber 192x195x115mm		N/A			Chamber 192x195x115mm			N/A		
<b>Overall Dim.</b>	224x374x219mm (wxdxh)		224x374x95mm (wxdxh)			224x374x219mm (wxdxh)			224x374x95mm (wxdxh)		
<b>Net Weight</b>	6.4kg					14.8lb / 6.7kg					

## Accessories

### Item number

### Description

104008036	Anti-vibration table	700100398	E1 5g Calibration Weight
1060014262	Density kit	700100399	E1 10g Calibration Weight
3012014259	In-use wet cover	700100400	E1 20g Calibration Weight
3014011014	RS-232 cable M-F	700100401	E1 50g Calibration Weight
700100410	ABI-1 Ionizer	700100022	E2 100g Calibration weight
1120011156	ATP thermal printer	700100023	E2 200g Calibration weight
3126011263	ATP thermal printer paper	700100007	F1 100g Calibration Weight
3126011281	ATP thermal printer paper (pack of 10)	700100008	F1 500g Calibration Weight
700100046	Kensington-type lock and cable	700100012	F1 200g Calibration Weight
600002028	AdamDU Data Collection Program	700100009	F1 1kg Calibration Weight
700660290	Calibration certificate	700100010	F1 2kg Calibration Weight



**Adam Equipment Co Ltd**

Maidstone Road, Kingston,

Milton Keynes,

MK10 OBD.

U.K.

T: +44 (0)1908 274545

F: +44 (0)1908 641339

E: sales@adamequipment.co.uk