

Analytical Balances

SA Series

Computer generated finite element analysis is utilized in tandem with CAD in designing this series which has less parts, decreased weight, and increased ruggedness while enhancing performance.



All SA Series Analytical Balances have 0.0001g readabilities, and are μ Processor controlled with an exclusive real time temp. compensation algorithm. This revolutionary internal software yields accurate, reproducible results without the need to recalibrate your balance as the ambient temperature varies.

Analytical weighing demands a high standard of accuracy. Weights from 80 to 510 grams with 0.1mg resolutions are displayed promptly, clearly, and reliably. The SA 510 reigns over this analytical series as the first 510g balance with a 0.1 mg readability. This makes it the unrivaled heavyweight of all analyticals. The SA 80 is the workhorse of this series, and is perfect for the value conscious user who wants ultra-featherweight readability for a lightweight price.

- Automatic Calibration programs
- Automatic Zero tracking
- Built-in Security bracket
- Auto system checkout sequencing
- Exclusive ATC software
- Multiple Units of Measure
- RS232 Interface
- Stability Indicator
- Capacity Tracker
- μ Processor Control
- Parts Counting
- Selectable Filtering
- GLP/GMP/ISO Compatible
- Live Animal Weighing
- % Weighing
- Check Weighing
- Below Balance Weighing

Ordering Information

ITEM	SA 80	SA 120	SA 210	SA 310	SA 510	SA 210D	SA 525D
WEIGHING MODE	Single	Single	Single	Single	Single	Dual [Floating Tare(TM)]	Dual [Floating Tare(TM)]
CAPACITY	80g	120g	210g	310g	510g	100g/200g	250g/500g
READABILITY	.0001g	.0001g	.0001g	.0001g	.0001g	.0001g/.001g	.0001g/.001g
TARE RANGE	0-80g	0-120g	0-210g	0-310g	0-510g	0-200g/0-200g	0-500g/0-500g
REPEATABILITY (STD. DEV.)	.0001g	.0001g	.0001g	.00015g	.0002g	.0001g/.0005g	.0002g/.0005g
LINEARITY	\pm .0002g	\pm .0002g	\pm .0002g	\pm .0002g	\pm .0002g	\pm .0002g/ \pm .0005g	\pm .0002g/ \pm .0005g
STABILIZATION TIME	~3sec	~3sec	~3sec	~5sec	~5sec	~3sec	~5sec
WEIGHING SPEED	Adaptive	Adaptive	Adaptive	Adaptive	Adaptive	Adaptive	Adaptive
UPDATE INTERVAL	300 ms	300 ms	300 ms	300 ms	300 ms	300 ms	300 ms
PAN SIZE (DIA.)	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
POWER SUPPLY	115V/60Hz	115V/60Hz	115V/60Hz	115V/60Hz	115V/60Hz	115V/60Hz	115V/60Hz
CALIBRATION WEIGHT	50g	100g	100g	200g	500g	100g	200g
WEIGHT	18 lb	18 lb	18 lb	18 lb	18 lb	18 lb	18 lb