

# Balance

## Semi-micro Analytical Balance

### Introduction:

Semi-micro Analytical Balance adopt electromagnetic force balance sensors with fully automatic timed internal calibration. Featuring higher intelligence, standardization and traceability, the series is ideal for customers with high requirements for efficiency, precision and compliance.

### Function:

- \* Spacious operating space
- \* VA negative display LCD screen with black background and white characters for clear and easy reading
- \* Automatic timed internal calibration for high precision and traceability
- \* Compliance with GMP/GLP standards
- \* Dual voltage support for global application
- \* RS232 interface for data transmission and connection with external devices
- \* Fast stabilization time for efficient testing
- \* Low temperature drift for stable performance in different environments



### Technical Parameters:

Model	BA1265N-SEM	BA2285N-SEM	BA22105N-SEM	BA22125N-SEM
Capacity	62/120g	82/220g	102/220g	122/220g
Repeatability (Std)	0.03/0.1mg	0.05/0.1mg	0.05/0.1mg	0.05/0.1mg
Repeatability (Max)	0.08/0.2mg	0.1/0.2mg	0.1/0.2mg	0.1/0.2mg
Liner	± 0.08/± 0.2mg	± 0.1/± 0.2mg	±0.1/±0.2mg	±0.1/±0.2mg

Model	BA625N-SEM	BA1005N-SEM	BA1205N-SEM	BA2204N-Pro
Capacity	62g	102g	122g	220g
Repeatability (Std)	0.03mg	0.05mg	0.05mg	0.1mg
Repeatability (Max)	0.08mg	0.1mg	0.1mg	0.1mg
Liner	±0.08mg	±0.1mg	±0.1mg	±0.1mg

Model	BA1265N-SEM BA2285N-SEM BA22105N-SEM BA22125N-SEM BA625N-SEM BA1005N-SEM BA1205N-SEM	BA2204N-Pro
Resolution	0.01/0.1mg	0.1mg
Min Weighing	1mg	10mg
Stable Time	6s	3s
Display	LCD	
Scale Size	Φ80mm	
Operation Temp	18~23°C, 45~65%	
Typical Sensitivity Drift	±3ppm/°C	
Cal. Weight	Internal Calibration	
Interface	RS232	
Power Supply	AC110~240V, 50/60Hz	
External Size(W*D*H)	370*205*351mm	
N. Weight	8.5kg	
Package Sizee(W*D*H)	500*380*520mm	
G. Weight	10kg	



### Introduction:

Semi-micro analytical balance adopts high sensitivity and high stability electromagnetic force sensor, stability and accuracy compatible performance to meet the needs of precision weighing laboratory.

### Application:

Widely used in scientific research, education, metallurgy, agriculture and other industries.

### Features:

- \* Transparent glass wind shield, multiple directions can see the sample.
- \* LCD display screen.
- \* Split-type design, display unit and weighing unit are separated.
- \* Digital processing technology, optimized small sample adding weighing function.
- \* Built-in RS232 communication interface, can be connected with computers, micro printers.
- \* Automatic calibration system.
- \* Multiple weighing application functions, basic weighing function, piece weighing function, percentage weighing function.

### Technical Parameters:

Model	BA1205SEM	BA1055SEM	BA2085SEM
Capacity	120g	120g/51g	210g/82g
Resolution	0.01mg	0.1mg/0.01mg	
Repeat Ability	±0.02mg	±0.1mg/±0.02mg	±0.1mg/±0.02mg
Liner	±0.02mg	±0.1mg/±0.02mg	±0.1mg/±0.02mg
Operation Temp	18~23°C		
Operating Humidity	20%~80%RH		
Stable Time	6s(average)	2.5s/6s(average)	
Balance Time	30~60min		
Scale Size	Φ90mm		
Power Supply	Standard: AC220V 50/60Hz Optional: AC110V 50/60Hz		
Output Power	DC12V 2A		
External Size(L*W*H)	470*310*320mm		
Package Size(L*W*H)	625*465*570mm		
Net/Gross Weight	12/14kg		