

Laboratory Equipments - Balances - 02 Lab Weighting

FA-SEM SERIES

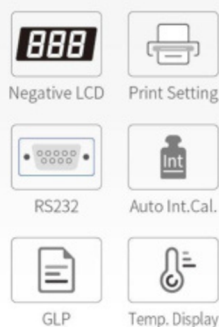
Multi-Function Internal-Calibration

Semi-Micro Analytical Balance

FA-SEM/FA-Pro are newly developed analytical balances. They utilize EMF Sensor and feature fully automatic timed internal calibration. These models offer greater intelligence, standardization, and traceability, making them ideal for customer Groups with high demands for efficiency, precision, and compliance.

Functional Settings

- Speed Adjustment
- Internal Calibration Time Setting
- Print Setting
- External Calibration
- Zero Tracking Setting
- Counting
- Temp Display
- Unit Conversion
- Factory Setting
- Peak Hold
- Stability Setting
- Time Setting
- GLP
- Percentage
- Baud Rate Setting



Technical Specifications

	FA625N-SEM	FA1005N-SEM	FA1205N-SEM	FA2204N Pro
Capacity	62g	102g	122g	220g
Readability	0.01mg/0.1mg	0.01mg/0.1mg	0.01mg/0.1mg	0.1mg
Repeatability	0.08mg	0.1mg	0.1mg	0.1mg
Linearity	±0.08mg	±0.1mg	±0.1mg	±0.1mg

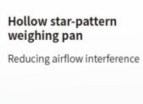
	FA1265N-SEM	FA2285N-SEM	FA22105N-SEM	FA22125N-SEM
Capacity	62g/120g	82g/220g	102g/220g	122g/220g
Readability	0.01mg/0.1mg	0.01mg/0.1mg	0.01mg/0.1mg	0.01mg/0.1mg
Repeatability	0.08mg/0.2mg	0.1mg/0.2mg	0.1mg/0.2mg	0.1mg/0.2mg
Linearity	±0.08mg/±0.2mg	±0.1mg/±0.2mg	±0.1mg/±0.2mg	±0.1mg/±0.2mg

Min weight	1mg	/ FA2204N Pro: 10mg
Verification Scale Interval	1mg	
Load Error (2g)	0.01mg	/ FA2204N Pro: 0.1mg
Stable Time	6s	/ FA2204N Pro: 3s
Temperature drift	±3ppm/°C	
Working Temp.	18~23°C	45~65%RH
Cal. Mode	Internal calibration	
Display Mode	VA negative LCD display	
GMP/GLP	Compliance	
Power	220V 50Hz	110V 60Hz
Interface	RS232	
Product Dimensions	365*210*355mm	
Packing Dimensions	Outside Carton: 530*400*540mm	Inside Carton: 500*380*520mm
Gross Weight	10kg	

Large glass draft shield
Spacious operation area



Aluminum Draft Shield
Reduces wind interference
when side doors are opened



Hollow star-pattern
weighing pan
Reducing airflow interference



VA negative
LCD display
Black Background,
White Characters.
For reading clearly

Features and Advantages

- Automatic internal calibration/ One-touch calibration
- Real-Time Testing Curve. Internal calibration with non-magnetic weights ensures calibration accuracy
- Negative LCD display provides a clear interface
- Anti-static transparent glass, effectively isolates static electricity
- Hollow star-pattern weighing pan reduces airflow impact for more precise weighing.
- Aluminum windproof ring reduces door-draft impact on weighing
- RS232 for connecting with printers, PC, or industrial control equipment.
- Unit conversion (g / mg / ct / oz)
- Configurable baud rates (1200, 2400, 4800, 9600, 19200, 38400, etc.)
- Printing Modes: continuous real-time, continuous stable and single-point
- single user information print, single device information print
- Rear cavity houses main components, shielding the board from sensor interference.
- Tare zero over/underload indication and fault alarm across the full range
- Temperature compensation | Time/temperature display | GLP and automatic zero tracking

