

## Analytical Balance



Analytical balances are highly sensitive laboratory instruments designed for precise measurements, often utilized in quantitative chemical analysis. These balances can measure small masses in the sub-milligram range with exceptional accuracy, offering readability up to 0.0001g.

### Features of Analytical Balances

External Calibration

Electromagnetic Force Sensor

LCD Display: White backlight with black front

Functionalities: Tare, Counting, Unit Conversion

Adjustments: Sensitivity, Speed, Percentage

Density Function

Additional Functions: Accumulation, Peak Hold, Upper and Lower Set Points

Weighing Modes: Dynamic, Net and Gross, Clock Function (optional)

Print Function: Baud rate setting, Continuous or Press Communication

Calibration Time Setting

Alarms: Overload, Fault, Level Indicator

Optional Accessories: Density Kit (for solids/liquids), Printer

## **Specifications**

Model: MSBAE1004SWISS

Capacity: 100g

Resolution: 0.0001g

Minimum Weighing: 0.0004g

Stable Time:  $\approx$  3 seconds

Display: LCD (white backlight with black font)

Pan Size:  $\approx$  80mm (Standard),  $\approx$  90mm (Optional)

Operating Temperature: 5-35°C

Repeatability:  $\pm$  0.0002g

Linearity:  $\pm$  0.0003g

Dimensions: 300 x 200 x 295 mm

Draft Shield Size: 180 x 175 x 200 mm

LCD Size: 96 x 24 mm

Calibration: External Calibration

Options: RS232C (Standard), Printer (Optional)

Packing Size: 425 x 320 x 415 mm

Gross Weight: 8.0 kg

Analytical balances are integral in settings requiring high precision, ensuring reliable and repeatable measurements for scientific research and industrial applications.