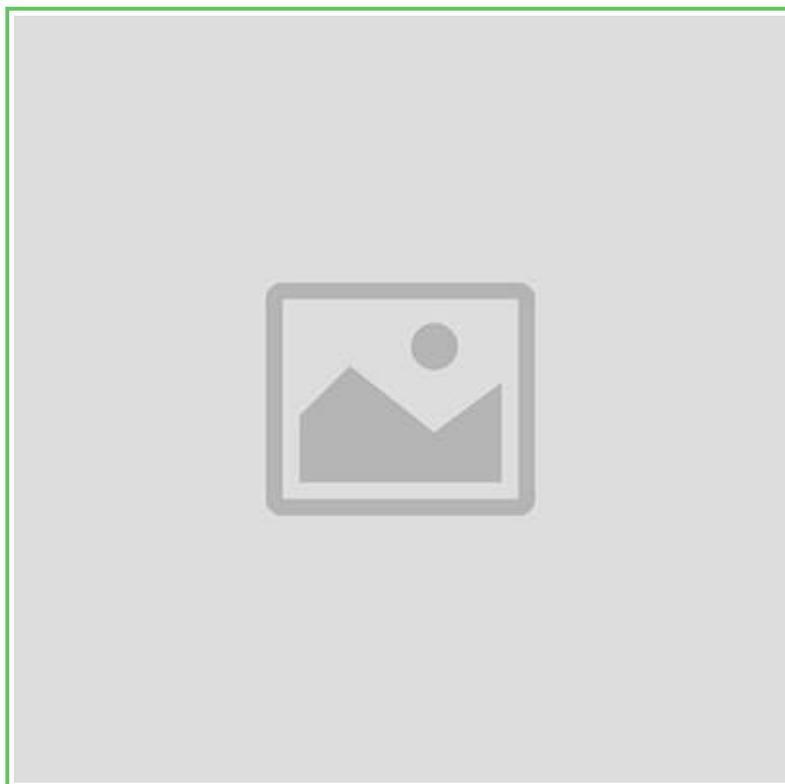


## Semi-Micro Analytical Balance, 51g, 5 Digit



### Semi-Micro Analytical Balance

#### Introduction

The Semi-Micro Analytical Balance is designed with a high-sensitivity and high-stability electromagnetic force sensor, offering a combination of precision, stability, and accuracy. This balance is ideal for advanced precision weighing requirements in laboratory settings.

#### Applications

This versatile balance finds application in:

- **Scientific research**
- **Educational institutions**

- **Metallurgy**
- **Agriculture**
- Other industries requiring precise measurements

### Features

- **Transparent Glass Windshield:** Enables clear sample visibility from multiple directions.
- **LCD Display Screen:** Provides clear and easy-to-read measurements.
- **Split-Type Design:** Separates the display unit from the weighing unit for better flexibility.
- **Optimized Small Sample Weighing:** Advanced digital processing for precision.
- **Built-in RS232 Interface:** Enables connectivity with computers and micro printers.
- **Automatic Calibration System:** Ensures consistent accuracy with motor-driven internal calibration.
- **Multiple Weighing Functions:** Supports basic, piece, and percentage weighing applications.
- **Bi-Directional PC Communication:** Facilitates seamless data exchange with computers.
- **Data Memory Function:** Allows data storage and retrieval when connected to a PC.
- **GLP/GMP/GCP/ISO Compliance:** Supports balance management systems like GLP/LIMS.
- **Auto Power-On and Re-Zero Function:** Simplifies operation with automatic features.
- **Standard Time and Date Functions:** Enhances compliance and record-keeping.

### Technical Parameters

- **Model:** MSCB2166TFNSWISS
- **Capacity:** 51g (dual range: 120g)
- **Resolution:** 0.01mg
- **Repeatability:**  $\pm 0.03$ mg
- **Linearity:**  $\pm 0.03$ mg
- **Operation Temperature:** 10°C ~ 30°C
- **Operating Humidity:** 10% ~ 70% RH
- **Stabilization Time:** Approximately 6 seconds
- **Balance Time:** 30 ~ 60 minutes
- **Scale Size:**  $\varnothing 90$ mm
- **Power Supply:** Standard: AC220V 50/60Hz, Optional: AC110V 50/60Hz
- **Output Power:** DC12V 2A
- **Net/Gross Weight:** 13kg / 15kg
- **Sensitivity Drift:**  $\pm 2$ ppm/°C (10°C to 30°C)
- **Display Refresh Rate:** 5 or 10 times per second
- **Weighing Pan Size:**  $\varnothing 90$ mm
- **External Dimensions (W x D x H):** 312 x 471 x 322 mm

This Semi-Micro Analytical Balance is an ideal choice for professionals requiring precise, efficient, and reliable weighing solutions.

