Semi-Micro Analytical Balance, 51g, 5 Digit

Model **MSCB2166TFNSWISS** | Brand **Master Science** | Unit **Pc**

Semi-Micro Analytical Balance, 51g, 5 Digit

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.

KEY HIGHLIGHTS

- Transparent Glass Windshield
- LCD Display Screen
- Optimized Small Sample Weighing
- Built-in RS232 Interface
- Automatic Calibration System

AT A GLANCE

120g)
CAPACITY51G (DUAL RANGE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Key Features

Transparent Glass Windshield
Enables clear sample visibility from multiple directions.

LCD Display Screen
Provides clear and easy-to-read measurements.

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 Specifications

GENERAL	
Capacity51g (dual range	120g)
General	Resolution0.01mg
General	Repeatability±0.03mg
General	Linearity±0.03mg
General	Operation Temperature10°C ~ 30°C
General	Operating Humidity10% ~ 70% RH
General	Stabilization TimeApproximately 6 seconds
General	Balance Time30 ~ 60 minutes
General	Scale SizeØ90mm
General	Output PowerDC12V 2A
General	Net/Gross Weight13kg / 15kg
General	Sensitivity Drift±2ppm/°C (10°C to 30°C)
General	Display Refresh Rate5 or 10 times per second
General	Weighing Pan SizeØ90mm
General	External Dimensions (W × D × H)312 × 471 × 322 mm
General	This Semi-Micro Analytical Balance is an ideal choice for professionals requiring precise, efficient, and reliable weighing solutions.
Power SupplyStandard	AC220V 50/60Hz, Optional: AC110V 50/60Hz

Applications

- **Scientific research**
- **Educational institutions**
- **Metallurgy**
- **Agriculture**
- **Other industries requiring precise measurements**