Compact CBC Hematology Analyzer - 3-Part Blood Cell Counter - 19 Parameters - 60 Tests/Hour

Model **MSHEMA-D6031SWISS** | Brand **Master Science**





The Master Science Compact CBC Hematology Analyzer is a cost-effective 3-part differential analyzer for routine blood counts in hospitals and clinics. It reports 19 parameters with WBC, RBC and PLT histograms using dual-channel electrical impedance counting and a cyanide-free colorimetric method for haemoglobin.

KEY HIGHLIGHTS

- Affordable routine CBC
- Small sample need
- Safer reagents
- Works on unstable mains
- Light and compact

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Up to 60 tests per hour are run from only 9.7 µL of venous blood or 20 µL of capillary blood. An 8.4-inch touch screen, built-in thermal printer and USB software updates keep daily operation simple.

> For more parameters and LIS connection, see the Master Science 3-part auto hematology analyzer.

Key Benefits

Affordable routine CBC
the Master Science Compact CBC Hematology Analyzer covers 19 parameters.

Small sample need
9.7 µL of venous blood.

Safer reagents
cyanide-free haemoglobin method.

Works on unstable mains
100 to 264 V input.

Light and compact
12 kg bench unit.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSHEMA-D6031SWISS
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Differential	3-part
Parameters (19)	WBC, GRAN#, GRAN%, MON#, MON%, LYM#, LYM%, HGB, RBC, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PCT, MPV, PDW
Histograms	WBC, RBC, PLT
Principle	Dual-channel electrical impedance (WBC, RBC); cyanide-free colorimetry (HGB)
Throughput	Up to 60 tests/hour
Sample Volume	9.7 µL venous blood; 20 µL peripheral blood
Reagents	Diluent 20 L, lyse 500 mL, enzyme cleaner 1 L; concentrated cleanser 50 mL
Other	Real-time sample temperature display, USB software upgrade

DISPLAY & DATA

Display	8.4-inch TFT colour touch screen, 800 × 600
Printer	Built-in thermal, 5 report formats with reference ranges; external printer supported
Data Storage	> 1000 reports with graphs; USB expansion up to 16 GB
Interfaces	RS232, 2 × USB
Outdated software	easy USB upgrades.

POWER

Power Supply	AC 100 to 264 V, 50/60 Hz
Voltage fluctuations	wide-range power supply.

DIMENSIONS & WEIGHT

Dimensions (L × W × H)	380 × 340 × 430 mm
Net / Gross Weight	12 kg / 16 kg

COMMON LABORATORY PROBLEMS AND HOW THIS ANALYZER HELPS

Common Laboratory Problems and How This Analyzer Helps	How the Master Science Compact CBC Hematology Analyzer supports routine blood testing:
Manual counting is slow	60 automated tests per hour.
Limited budget	cost-effective 3-part design.

The Master Science Compact CBC Hematology Analyzer is used in

- **Hospital laboratories**
- **Clinics and health centres**
- **Diagnostic laboratories**
- **Routine blood examinations**
- **Small laboratories with limited space**

Measurement

- Dual-channel impedance counting
- 19 parameters, 3 histograms
- 60 tests per hour

Operation

- 8.4-inch touch screen
- Built-in thermal printer
- Sample temperature display

Data

- Over 1000 stored reports
- USB storage expansion
- RS232 and USB ports