Blood Collection Monitor, 0-1200 mL, 2% Accuracy, Swing Mixing, Preset Volume Alarm

Model **MSBCM-12ASWISS,MSBCM-12BSWISS** | Brand **Master Science**







The Blood Collection Monitor, also called a blood collection scale or mixer, weighs the blood bag during donation while gently rocking it to mix blood with anticoagulant. It measures 0-1200 mL with 1 mL display resolution and 2% accuracy, using a liquid density setting of 1.05 g/mL.

KEY HIGHLIGHTS

- Accurate Bag Volume
- Gentle Mixing
- Automatic Alerts
- Tube Clamping Option

AT A GLANCE

0-1200 mL MEASURING RANGE	**2%** MEASURING ACCURACY
0.5-3 mL/s COLLECTION SPEED	

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

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Overview

Staff preset the target volume; about 10 mL before the target the tray stops swinging for an accurate final reading, and an alarm sounds when the volume is reached. The Blood Collection Monitor pauses when the bag is removed and restarts when it is put back. Two versions are offered: Version A with audio and visual alarm, and Version B, which adds a tube interrupter clamp.

Store collected units in our Blood Bank Refrigerator, a natural next step after the Blood Collection Monitor.

Manual collection with hand mixing and a basic scale leads to the issues below. The Blood Collection Monitor addresses each one.

Overview

- Soft swing mode, 33 ±2 times per minute
- Swing angle 13 ±2°
- Stops when the bag is removed and restarts when replaced

Key Benefits

Accurate Bag Volume
Swinging stops 10 mL before target so the final reading is precise.

Gentle Mixing
A soft rocking motion mixes blood and anticoagulant during collection.

Automatic Alerts
An alarm sounds when the preset volume is reached.

Tube Clamping Option
Version B adds an interrupter that clamps the line at the end of collection.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSBCM-12ASWISS,MSBCM-12BSWISS
SKU	MSBCM-12ASWISS,MSBCM-12BSWISS
Measuring Range	**0-1200 mL**
Measuring Accuracy	**2%**
Display Resolution	1 mL
Liquid Density Setting	1.05 g/mL
Collection Speed	0.5-3 mL/s
Swing Frequency	33 ±2 times/min
Swing Angle	13 ±2°
Alarm (Version A)	Audio and visual
Alarm (Version B)	Audio and visual, with interrupter
Interrupter Thrust (Version B)	≤ 14 N
Power (A / B)	12 W / 40 W
Power Supply	AC 110/220 V ±10%, 50/60 Hz
Dimensions (Version A)	218 × 172 × 160 mm
Dimensions (Version B)	275 × 230 × 210 mm
Package Size (A / B)	310 × 260 × 210 mm / 370 × 330 × 300 mm
Weight (A / B)	2.6 kg / 6 kg
Display	LED
Tray	Detachable

PROBLEMS THE BLOOD COLLECTION MONITOR SOLVES

Over- or under-filled bags	Preset volume with fine weighing near target improves fill accuracy.
Inconsistent hand mixing	Automatic gentle swinging mixes at 33 times per minute.
Staff missing the end of collection	An audible and visual alarm signals the target volume.

OPTICAL PERFORMANCE

Clamping the line by hand	Version B includes an interrupter clamp.

Applications

- **Whole blood donation in blood banks**
- **Mobile blood collection drives**
- **Hospital transfusion service collection rooms**
- **Plastic blood bag collection monitoring**

Weighing

- Modern sensor with LED display
- Preset collection volume
- Tare and calibration functions
- Switches to accurate weighing 10 mL before target

Alarms and Versions

- Audible and visual alarm at preset volume
- Version B interrupter clamp, thrust ≤ 14 N
- Detachable tray

Standard Accessories Included

- Blood collection monitor main unit (Version A or Version B)
- Detachable tray

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.