

Blood Collection Monitor

M-Series, MTBCM 01

Fully automatic microprocessor based **Blood Collection Monitor** or *Blood Mixing Device* provides efficient mixing of blood with 10-20 cycles/min. Automatic termination of blood collection, when *blood collection* volume reaches a preset value. LCD display shows volume of collected blood, time-taken for *blood collection*.



FEATURES

- Manual Weight Calibration
- Auto Calibration
- Display in Vol and Grams
- RPM Setting 1 to 20 RPM
- Real Time Clock Setting
- Date Setting
- Battery Backup for 20 Hours
- Large Blue LCD Display
- Audio Video Alarms
- LED Display Indication
- RS232 connect to Computer
- Carrying Case

Carrying Case



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Features:

- Electronic controlled blood collection monitor
- Accepts all kinds of blood donor bags.
- Has 3D mixing system to guarantee the best mixing of blood with anticoagulant.
- Mixing speed min 1 to 20 rpm and tilting min.10 deg angles adjustable
- Large LCD display to show donation time, collected volume and average donation flow etc. during blood collection.
- The volume to collect can be changed at any point of time during the donation, if desired
- Automatic clamp of tubing at the end of donation with audible and visual alarms
- The display shows the final volume collected and the donation time in minutes & seconds at end of each donation.
- All collection data can be recalled and read from the memory
- Auto tare of the empty bag
- Adjustable upper safety limit for collected volume
- Adjustable Low and High Flow alarms
- Detection system on clamp for checking tube positioning
- Safety switch to control if tubing is well inserted into the clamp.
- Calibrate within few seconds with a known calibration mass.
- RS 232 port for connecting external equipment e.g. barcode reader etc.
- Possibility to connect to network through PC & software
- Built-in rechargeable battery to support minimum 500 donations in case of mains failure
- Input port cable with 15 Plug and six way output terminal strip for two outlets

Specifications:

- Measuring range from 10 to 3000 ml/gr with accuracy of +/-1 % or better
- Collected volume range adjustable with 1 ml steps
- Setting of two default volumes
- Adjustable maximum donation time up to 20 minutes
- Configurable date and time
- Up to 1000 donations can be stored in internal memory
- Service programs shall be available for common trouble shootings
- Calibration mass 500 gm shall be supplied
- Power supply: 230 Vac, 50Hz with internal rechargeable battery

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Catalogue Number	MTBCM – 01
Input Voltage	100-250 VAC 50/60 Hz
Operation	Continues Operation with Intermittent Loading
Power	12W (Max)
Working Environment	
Temperature	0° to 40°C
Relative Humidity	30 to 75%
Atm Pressure	700 to 1060hPa
Battery	Full Charge Battery 20 hours continuous operation
Storing and Transportation Temperature	-20° to 40°C
Relative Humidity	20 to 90%
Atm Pressure:	600 to 1060hPa
Oscillation details	20± 2 rpm, motor driven oscillation. Adjustable for 1 to 20 RPM
Clamping Mode	Both automatic and Manual tube Clamping. Automatic clamping when the preset volume is achieved
Volume Setting	Insteps of 1 ml. Automatic storage of set volume. Continuous display of set and current volume
Auto Tare	The Machine Automatically calibrates the weight each time when the Start Button is pressed
Alarms/Indications	LCD,LED indication and audible alarm when there is no Blood flow .LCD, LED indication and audible alarm at the end of collection.
Display	Large 16×2 line character Backlit LCD display
Time Measurement	Time of collection is indicated at the end of every collection.Display of time during collection
Accuracy	1% of the programmed volume
Dimension in mm	height:140mm; length:250mm; width: 250mm
Weight	4.8 kg
Battery	12V, 2.3 AH Sealed Maintenance free lead acid rechargeable battery
RTC	Inbuilt Real Time Clock
Time setting	Display of time on the main screen and editable
Date Setting	Display of date on the main screen and editable
RPM	Setting RPM of motor can be set from 0 to 25
RS 232	RS 232 port for data extraction from BCM to Computer

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Software for Blood Bank

Software for Blood Bank shall be provided free of charge with this product.

