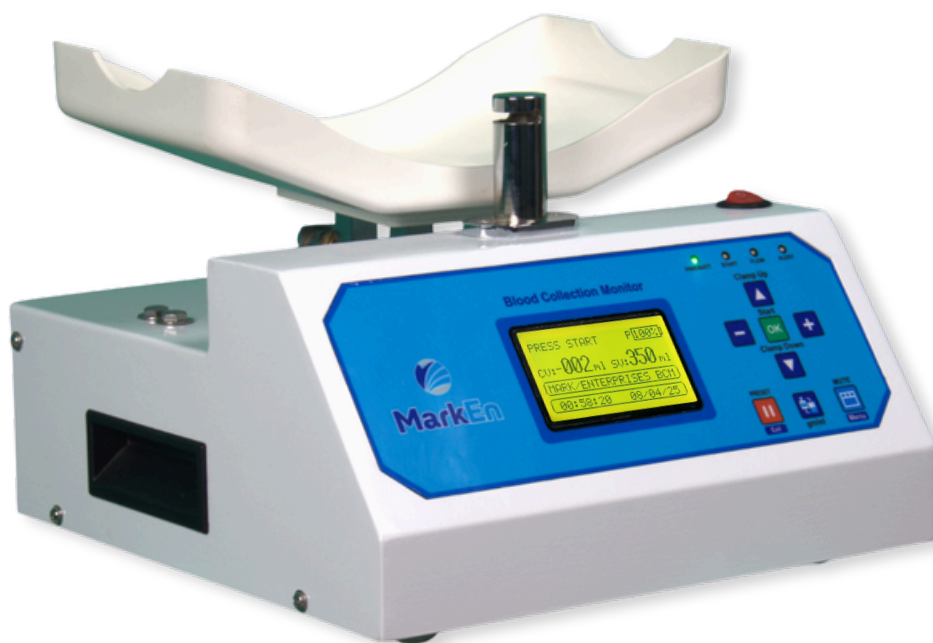




BLOOD COLLECTION MONITOR



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:
NABCB/IAF



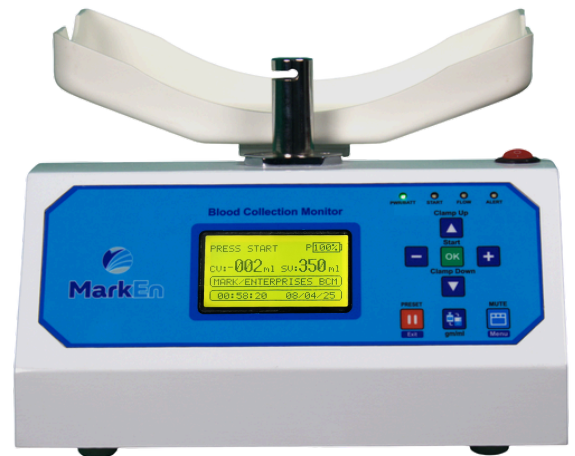
ISO 9001: IAF



7 Electric Safety
Certifications

INTRODUCTION

The MarkEn Blood Collection Monitor (BCM) is an advanced, microprocessor-controlled device designed to ensure safe, efficient, and precise blood collection. It provides consistent anticoagulant mixing, preventing clotting and safeguarding blood quality. Extensively used in hospitals, research clinics, and pharmaceutical industries, the BCM is engineered to adhere to government norms, ensuring the collection of accurate blood volumes from donors. Its portable and user-friendly design makes it ideal for donation rooms and outdoor camps, offering phlebotomists full control over the collection process. The BCM's precise monitoring of time, flow rate, and volume ensures donor safety and enhances the quality of collected blood.



FEATURES



Advanced Microprocessor/PLC Control:

Ensures accurate monitoring and control throughout the donation process.



Universal Bag Compatibility:

Compatible with all types of blood donor bags.



Efficient Mixing System:

Guarantees optimal mixing of blood and anticoagulant to prevent clot formation.



Large Touchscreen Display:

Provides real-time information, including:
Donation time | Collected volume | Average donation flow



Advanced Microprocessor/PLC Control:

Ensures accurate monitoring and control throughout the donation process.



Gentle Mixing Cycle:

Operates at 12–14 cycles per minute to ensure smooth and gentle mixing.



Adjustable Volume Collection:

Volume settings can be modified at any point during the donation process.

**Automatic Clamp with Alarms**

Tubing clamps automatically at the end of the donation with audible and visual alarms.

**Memory and Data Recall**

Stores up to 1000 donations, enabling retrieval and review of collection data.

**Auto Tare Functionality**

Automatically tares the empty bag for precise measurements.

**Safety Features**

- Adjustable upper limit for collected volume.
- Low and high flow alarms.
- Tube positioning detection and safety switch.

**Calibration**

Easily calibrated within seconds using a known calibration mass (500 g included).

**Connectivity**

Can be connected to a network via PC and software for data recording, including volume and flow values.

**Guided Operation**

Context-sensitive frames provide step-by-step guidance during operation.

**Battery & Transport**

Includes a transport case with built-in battery charging capability, ideal for both stationary and mobile use.

**Volume Adjustment**

Adjustable in 1 ml increments, with the ability to set two default volumes.

**Maximum Donation Time**

Configurable up to 20 minutes.

**Data Storage**

Stores up to 1000 donations for easy recall and troubleshooting.

**Display Information**

Shows the final collected volume and donation time in minutes and seconds.



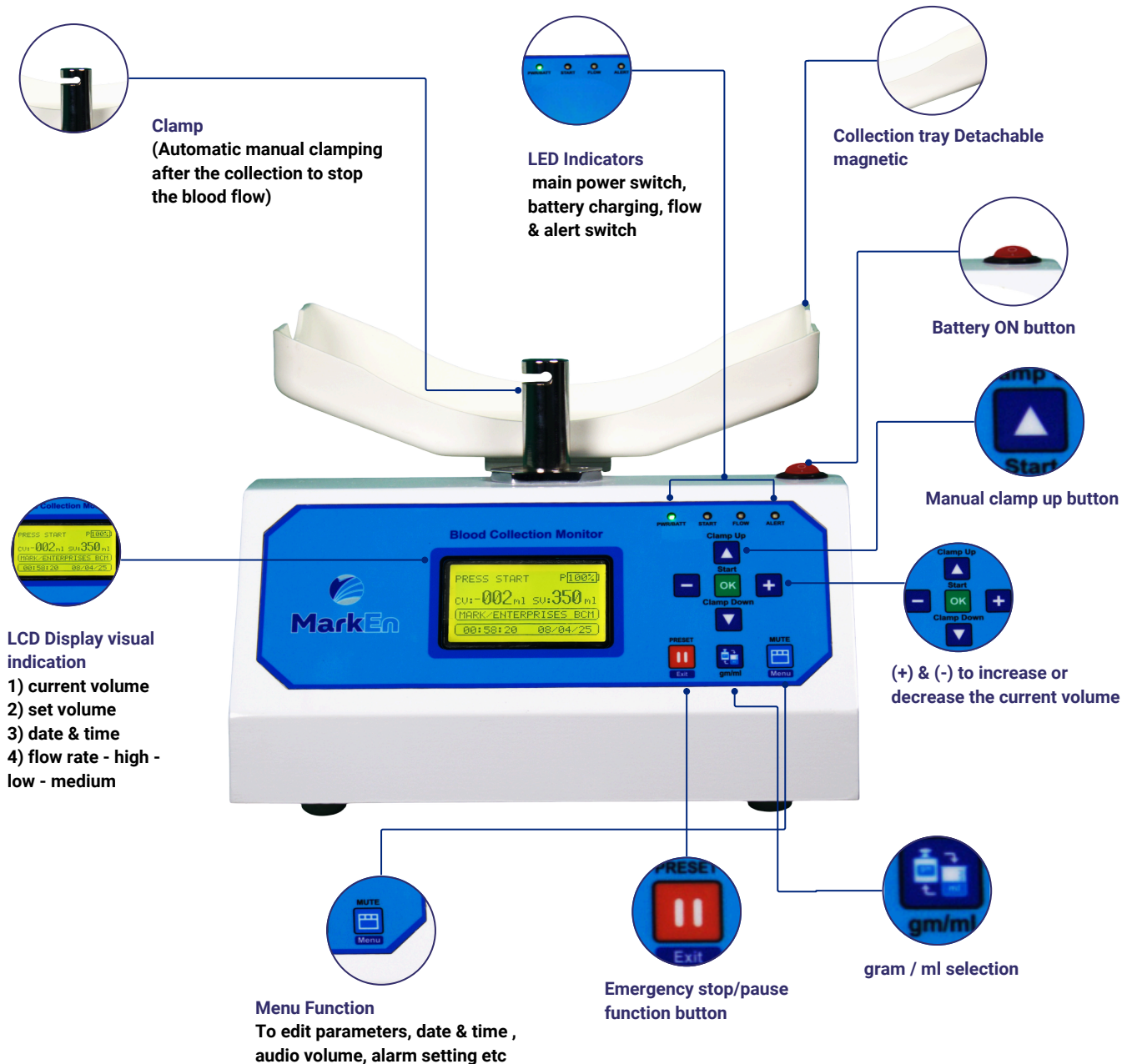
Durable Design

Portable and robust, suited for both indoor and outdoor applications.



Service Program

Includes common troubleshooting functionalities for enhanced usability.



BLOOD COLLECTION MONITOR

Without Battery Backup
With Battery Backup
With Battery Backup and QR code
With Battery Backup and QR code/Barcode Reader

TECHNICAL SPECIFICATIONS

Make	MarkEn
Weighing Range	0 g/ml to 1000 g/ml (1 g step) with accuracy >1%
Battery	7.5V DC - 55Wh for extended battery backup
Oscillation Details	16 - 20 \pm 2 rpm, motor-driven oscillation
Clamping Mode	3-state clamp: Open, Lock, Closed with Automatic facilitated clamp option and active clamp check
Volume Setting	Adjustable in steps of 1 ml/5 ml/10 ml, automatic storage of set volume, continuous display of set and current volume
Auto Tare	Manual/Automatically calibrates the weight each time the Start Button is pressed
Alarms/Indications	- Visual and Audible alarms for no blood flow, end of collection, - Pause function, battery low indication, sensor Failures, abnormal condition warning,
Dimensions (mm)	270 x 280 x 140
Weight	4.8 kg
Real-Time Clock (RTC)	Built-in Real-Time Clock
Data Connection	Wireless/RS-232 port/Ethernet for bi-directional data transfer; USB drive compatibility
Power Consumption	6 W (Maximum)
Input Voltage	100-250 V AC, 50/60 Hz, \pm 10%

CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products
CDSCO Certified**



USFDA Listed



**8 products tested by a
WHO-accredited laboratory**



European CE



NABCB: ISO 13485



ISO 9001: IAF



ISO 14001: IAF



ISO 45001: IAF



**7 Electric Safety
Certifications**



WHO GMP



**BIFMA Certified,
BIFMA Level 3**



**ASTM- Corrosion
Free Products**



ISO 2409

**EN 13523-26,
ISO 13849-1,
IP 69, IP 65**

& many other...

ALL-IN-ONE SOLUTION FOR

Cold Chain Solution
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Blood Bank Equipment

Hospital & Scientific Equipment
Hospital Furniture & Infrastructure
Commercial Refrigeration



25+

Years of Excellence



350+

Product Range



500+

Service center



1000+

Committed Engineers



1,00,000+

Satisfied Users

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-  **New Delhi office** - DLF Tower, Jasola | **Chandigarh Office** - CCC, VIP Road
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Authorized Distributor Details