

# Data Collection Mixer

Model CM750



- Automatically clamps blood bag tubing when collected blood volume reaches preset volume. Preset volume is user-selectable. It rocks to mix collected blood with anticoagulant in blood bags.
- Large graphic LCD panel displays user-friendly operation procedures and necessary instructions. It displays collected blood volume, preset volume to collect, total weight of collected blood and blood bags, elapsed time of donation, alarm messages, battery condition and data memory status.
- Screen menus are in English.
- Barcode scanner accepts most barcodes, including ISBT 128 and Coda bar codes.
- It has barcode label check and comparison features.
- One donor data set consists of 21 different kinds of information.
- Wireless data communication link: 1) It groups up to 18 devices, if located in 30-meter radius.  
2) A professional software package, named as CDM (Collection Data Manager), is supplied.  
3) Collection progress and alarm messages can be monitored on PC monitor on real-time basis.  
4) Stored data in each device can be transferred to PC via the wireless link anytime.
- Up to 1,000 donor data sets can be stored in device memory. The data can be moved in 3 ways;  
1) USB memory stick 2) Real-time data transfer via wireless link 3) Data-Fetch software
- Audible/visual alarms and screen messages appear at end of collection, at abnormal (low/high) blood flow and at low battery condition.
- Large and deep tray can contain up to quadruple blood bags with filters.
- Automatically tares weight of blood bags to measure net volume of collected blood.
- Clamping module is detachable, so can be mounted either left side or right side.
- Fully portable with a rechargeable and replaceable battery pack. One pack runs 10+ hours .
- Built-in charger fast-charges the battery pack in 4 hours. A separate battery charger is available.
- Hard carrying case is included, which can be used as a floor stand for the device.

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## SPECIFICATION

### DATA COLLECTION MIXER, CM750

- (1) Operation mode : DATA mode, BASIC mode (Default: DATA mode)
- (2) Collected Blood volume : 0 - 1,000 ml, in 1 ml step
- (3) Total weight : 0 - 1,500 gram, in 1 gram step
- (4) Elapsed time : 00:00 - 59:59
- (5) Target collection set
  - User preset : 0 - 4 figures between 10 - 600 ml, in 5 ml step
  - Default : 350/400/450/500 ml (first call at PRESET key pressed: 450 ml)
- (6) Alarms\*:

	Alarm	When	Beep	Lamp	Adj. range	Default
1	End of Collection	at end of collection	O	O	---	---
2	Low Flow	flow is lower than	O	O	5 - 70 ml	30 ml
3	High Flow	flow is higher than	O	O	70 - 200 ml	150 ml
4	T1 Time Passed	collection passed T1	O	O	1 - 30 min	10 min
5	T2 Time Passed**	collection passed T2	O	O	1 - 30 min	20 min
6	Low Battery	charge at 10 % left	O	-	---	---
7	Tray Off	tray is taken off	O	O	---	---
8	Memory Near Full	at count below 100	O	-	---	---

- (7) Specific gravity of blood (ml-gram): selectable between 1.050~1.061 (Default: 1.057)
- (8) Donor data to be stored in device memory: for up to 1,000 donors. The donor data are retrieved in CSV file format.
- (9) Recognizable barcodes : ISBT 128, Codabar, EAN, UPC, Code 128, Code 39, etc.
- (10) Tray rocking speed : selectable among 15/20/30/40/45 RPM (Default: 30 RPM)
- (11) Tolerance:
  - Collected blood volume : not greater than 3 ml
  - Total weight : not greater than 4 gram
  - Calibration accuracy : +/- 1 gram or +/- 1 ml
- (12) Control keys : POWER, PRESET, CLAMP, START, REVIEW•BEEP, END, A, B
- (13) Display screen : graphic LCD display with back-lighting, 21x8 characters
- (14) CDM grouping : by 2.4 GHz link, up to 18 units, within 30 meters range  
(\* CDM software operates in IBM-compatible computers only.)
- (15) Power source : AC power adaptor or battery pack
  - AC power adaptor : 100~240 VAC, 50/60 Hz, 0.8A. Output 18 VDC, 1.67 A, 30W
  - Battery : 12V/4.5AH, NiMH cells, rechargeable and replaceable pack
- (16) Dimensions: L 21.0 x W 33.5 x H 18.4 cm (L 8.3" x W 13.2" x H 7.3")
- (17) Weight: equipment with battery - 3.5 Kg (7.7 lb)
- (18) Temperature:- Operation : 0~40 °C (32 - 104 °F)
  - Storage : -20~70 °C (-4 - 158 °F)