

BLOOD COLLECTION MONITOR

Genesys Blood Collection Monitor is provided with a Microprocessor based controller programmed for precise collection of blood from donors. This sleek and light weight instrument provides efficient mixing of the blood collected with the anticoagulant in the blood bag. The monitor has wonder features like display of net volume of blood collected, monitoring of blood flow rate, audio visual alarms and automatic clamping of tube in case of improper blood flow rate. When the collection reaches the pre set volume, the clamp automatically closes the tube. The total weight of blood collected and collection time is also shown at the end of collection process. The imported micro miniature motor rocks the tray at a nominal speed of 10-12 RPM with ± 12.5 degrees. The target volume can be set from a range of 0-900 ml. It is also provided with audio visual alarms for high flow rate, low flow rate, long collection time. The battery back-up provided in our collection monitor provides a back-up for 10-12 hours.

- ▣ Motor activated automatic clamping when the flow rate sustains in less than 20ml/min
- ▣ Automatic storage and recall of set volume
- ▣ Continuous operation with intermittent loading
- ▣ Time of collection is indicated at the end of every collection
- ▣ Controls : Power, start, pause, Vol. set up, Vol. set down, Clamp up, clamp down
- ▣ Indication panel : Custom-designed composite LCD display
- ▣ Protection against electric shock class 1 type B internally powered
- ▣ Working, storing, and transportation conditions: Temp. 20 to 40°C; humidity 20-90%; no condensation



TECHNICAL SPECIFICATIONS

Model No	: GBCM
<u>-Target volume set</u>	
Range	: 0-600 ml
Set method	: volume up/down and clamp buttons
Preset values	: 0-600ml, increments of 1 ml
<u>-Alarms</u>	
High flow rate	: Audible , visual alarms
Low flow rate	: Audible ,visual alarms at 20 ml/min or lower.
<u>-Main power fails, low battery</u>	
Preset values	: 0-600ml, increments of 1 ml-Tray
<u>moving</u>	
Speed	: 12 RPM speed nominal, with ± 2 rpm
<u>-Accuracy</u>	
Weight calibration tolerance	: +/- ml
Clamp closing time delay error	: 1gram ml maximum
Collection volume accuracy	: 0ml to +30ml
Weight	: Equipment with Battery : 5.5 Kg
Power cord	: 120-240 VAC , 50-60HZ in,18VD-
C/I ampere out	
Battery Back-up	: 6-8 hours

