

# HEMATOLOGY ANALYZER

Compact Design & Cost Effective 3-part 21 Parameter Analyzer

# PENTAGAN

## PHA - 23i Plus




**DOUBLE CHAMBER**

- WBC
- RBC
- Lymph#
- Lymph%
- Mid#
- Mid%
- Gran%
- Gran#
- HGB
- HCT
- MCV
- MCH
- MCHC
- RDW-SD
- RDW-CV
- PLT
- MPV
- PDW
- PCT
- P\_LCC
- P\_LCR



## PENTAGAN MEDICAL INSTRUMENTS

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Perambur, Chennai - 600 011.

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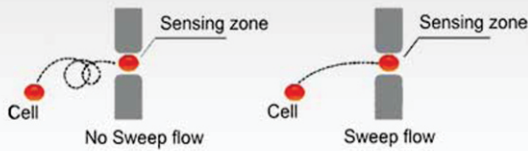
 e-mail : [micro.bjk@gmail.com](mailto:micro.bjk@gmail.com)



**21 Parameters & 3 Histograms**

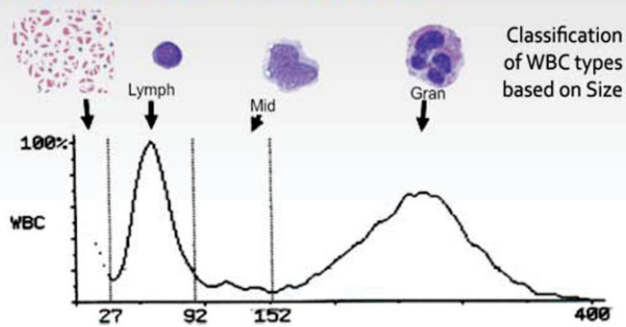


## SWEEP FLOW TECHNOLOGY



Unique sweep flow Technology to avoid recounting

## FLOATING DISCRIMINATER



Auto re-location of Discriminator to fix the differential of WBC

## BLOOD SAMPLE MODE

- Whole Blood sample mode
- Paediatric Sample mode
- Capillary Sample mode

## ULTRA LOW CLOG RATE

- Ultra low clog rate realized by electronic program and hydro mechanics. (Positive and negative air pressure flush mode)
- High voltage clog removal program efficiently burn the clog.

## AUTOMATED AND USER FRIENDLY INTERFACE

- Alert for morphologically abnormal samples
- Display: 10.4" Colour LCD with the test items, reference value and 3 histograms
- Storage Capacity : Upto 1,00,000 sample result (Include histograms)
- Liquid sensor to alarm empty reagents.
- Cyanide : Free lyse
- Automated & Systematic diagnosis and maintenance with alerts.
- Liquid tubing and electronic circuit separately for easy maintenance.
- Closed reagent tubing to avoid contamination.

## OPTIONAL PRINTOUT FORMATS

- Inbuilt Thermal Recorder
- External Printer
- Supports LIS and HIS with HL 7 protocol
- Excellent data management with mouse and keyboard

## COMPUTER INTERFACE SOFTWARE (RS232C)

- Support Windows XP & Windows 7

## EFFECTIVE QC SYSTEM

- Calibration mode: Manual and Auto
- QC Mode: L-J, X-B, SD, CV, QC histogram

## TECHNICAL SPECIFICATION

Principles  
Parameters  
Sample Consumption

Throughput  
Storage  
QC Mode

### CROSS CONTAMINATION

Ratio  
Performance

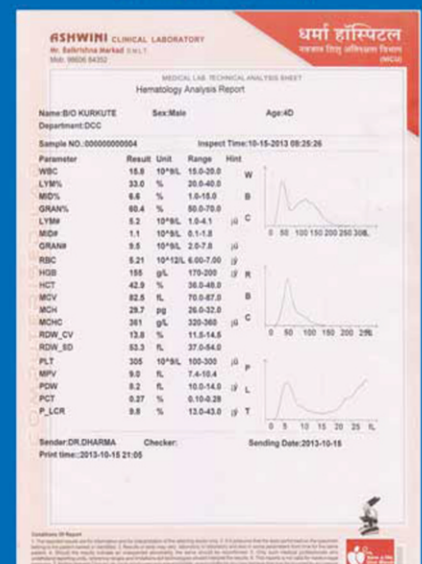
Display  
Interface  
Printer  
Environment Requirement  
Power Supply  
Dimension

Electrical resistance for counting, hemoglobin cyanide method and SFT method for hemoglobin  
3-part difference of WBC; 21 parameters + 3 colour histograms (WBC/RBC/PLT)  
Venous Mode: 18.0µL Pre-diluted Mode: 20µL

24 hours with auto standby  
60 samples / hour  
1,00,000 sample results. (include histograms)  
L-J, X, X-B, SD, CV, QC histogram

WBC/RBC/HGB <0.5%, PLT <1%  
Parameter Repeatability (CV%)      Linear Range  
WBC <2.5%      0.00-99.9 x 10/L  
RBC <2.0%      0.00-99.9 x 10/L  
HGB <1.5%      0-3000 g/L  
MCT <0.4%      40 - 150 fL  
PLT <5.0%      0-999 x 10<sup>9</sup>/L  
10.4" Colour LCD Resolution 640 x 480  
RS 232 C Port, USB Port  
Built-in thermal recorder, optional external printer.  
Temperature: 15C - 35C; Humidity: 10%-90%  
AC240V 50/60 Hz  
330mm x 440mm x 500 mm NW 17 Kg.

### Patient Result - Printout



Support LIS and HIS with HL 7 protocol  
Excellent data management with mouse and keyboard