

# MaxCOUNT Automated Hematology Analyzer



(A new generation 3-diff hematology analyzer)

## General Feature

- 21 parameters with P\_LCC, P\_LCR and RBC, WBC, PLT histograms
- Throughput up to 60 samples per hour with double chamber design
- Impedance method for WBC, RBC and PLT
- Photoelectric colorimetry method for HGB with cyanide free reagent
- Micro sample volume at 9 $\mu$ l for whole blood mode and 20 $\mu$ l for pre-dilute mode
- On board storage capacity of 500000 samples results
- Two kinds of QC modes: L-J, and X-B
- Support USB data backup & system upgrade
- Built-in thermal printer
- LIS and HIS available with HL7 protocol



**MaxCOUNT HMT-60P**  
3 Part Automated Hematology Analyzer

- ✓ Constant 60 Samples/hour
- ✓ 21 Parameters & 3 Histograms
- ✓ 2 Reagent System Diluent & Lyse

Hematology



## Easy to use

- 10.4 inch color display screen with touch panel
- Mouse and keyboard connection by USB
- Internal storage of lyse
- Throughput up to 60 samples/hour with whole blood mode
- Minimum volume 9µl whole blood

### Precision

Parameter	"CV (Whole Blood)"	"CV (Pre-diluent)"
WBC	≤2% ≤2.5%	≤4%
RBC	≤1.5%	≤3%
HGB	≤1.5%	≤3%
PLT	≤5% ≤4%	≤10% ≤8.0
MCV	≤0.5%	≤2.0



## Accurate and Precise Results

- Proven impedance measurement technology
- Auto internal & external cleaning for aspiration probe
- High precision syringes
- Internal preheating for diluent for every test
- Accurate and Precise Results : WBC 100µm, RBC 70µm apertures.



## Cost-effective

- Tidy fluid system with low reagent consumption
- Only 2 reagents for sample testing
- Large storage capacity, 500,000 results



## Low and Easy Maintenance

- Special self-checking function during initialization
- Auto clog removing by aperture cauterizing and flushing
- Error messages
- Openable front panel and side door



## Nearly Perfect Software Function

- Friendly interface and illustrate icons
- On board storage up to 500,000
- L-J. and X-B QC methods
- Support LIS and HL7 Protocol
- Tailor-made multi-language operation system



## Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door-to-door service for complicated problems

# Performance & Specification

## Technical Specification

**Parameters** WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC, 3-part differentiation of WBC, 21 parameters, histograms and alarm for abnormal Erythrocytes, Leukocytes and platelet.

**Principles:** WBC/RBC/PLT: Electrical impedance  
HGB: Photoelectric colorimetry

**Aspiration Volume:** Whole blood 9  $\mu$ l, pre-diluted 20  $\mu$ l

**Aperture Diameter:** WBC 100  $\mu$ m, RBC/PLT 70  $\mu$ m

**Throughput:** 60 samples per hour

**Data Storage :** 500,000 sample results with histograms

**Alarms:** Error messages

Dilution Ratio:	Whole blood	Capillary blood
WBC/HGB	1:298.8	1:298.8
RBC/PLT	1:31493.4	1:31493.4

**Display:** 10.4-inch resolution 800 x 600, touch screen

**Control and Calibration** L-J, X-B two our control modes, manual and auto-calibration

**Input/output:** 4 USB ports & Bi-directional LIS connections, (mouse, keyboard, USB printer, and USB disk), Internal 57mm thermal printer

**Power:** AC 100-240V, 50/60Hz, < 150V AC

**Operating environment** Temp. : 10°C ~ 35°C, Relative humidity : 20% ~ 85%

**Dimension & Weight:** 420mm (L), x 295mm (W) x 430mm (H), about < 18kg



## Hematology Analyzer

A new generation 3-Diff Hematology Analyzer with 21 parameters and 3 histograms. It is designed for laboratories with low-volume workload yet it is capable of serving medium or large laboratories as a back-up. This MaxCOUNT HMT-60P 3 Part Hematology Analyzer can deliver you confident results and maximize your workflow efficiency via its intuitive software interface, simplified hydraulic design and quality hardware module.

Manufactured in India by :



Plot : # 338, Sector-2, Industrial Growth Centre, Saha (Haryana) India-133104.

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**HMT-60P**  
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