

**3**  
PART

## Differential Hematology Analyzer



## MISPA *eCount*

### Flexible & Convenient

- One touch start & stop
- Throughput of 60 samples / hr
- Storage up to 35,000 sample results
- Touch screen with 8.4" TFT color LCD display

### Cost Effective

- 20 Parameters + 3 Histograms
- Low Sample Volume
- Low Reagent Consumption
- Maintenance Free Concept

### Accurate & Reliable

- Fully automatic calibration
- Comprehensive QC programs & 4\*3 levels QC
- Carry over limit of < 1% for WBC, RBC, PLT, HGB
- User friendly alarms

### Technical Specifications

Product	3 Part Differential Hematology Analyzer		
Principles	Electrical impedance for counting and Cyanide free method for HGB		
Parameters	20 + 3 histograms		
Counting Channel	2		
Throughput	60 tests/hr		
Sample Aspiration Volume	Whole blood 12µL & Pre-diluted 20µL		
Display	Touch screen with 8.4" TFT color LCD display 600x800 - Resolution		
Reagents	Diluent, Lyse, Cleaner		
Carry Over	WBC, RBC, HGB <1% & PLT <2%		
Linearity Range	Measurand	Range	Limit %
	WBC (10 <sup>3</sup> /µL)	0.3-100	±4
	RBC (10 <sup>6</sup> /µL)	0.05-8	±3
	PLT (10 <sup>3</sup> /µL)	5-2000	±5
	HGB (g/dL)	0.3-24	±2
Precision (CV%)	Measurand	Level	CV %
	WBC (10 <sup>3</sup> /µL)	>6.0 Level	<2.5
	RBC (10 <sup>6</sup> /µL)	>4.0 Level	<2.0
	PLT (10 <sup>3</sup> /µL)	>200.0 Level	<4.0
	HGB (g/dL)	>12.0 Level	<1.5
Alerts	User friendly alert messages		
Storage	35,000 sample results including histograms		
QC Mode	L-J Display, 4*3 levels QC (100 files per level)		
Input / Output	RS232C, USBx3, Keyboard, LAN		
Barcode Reader	Optional (Reads: code bar, code39, code128, EAN8, EAN13, EAN128)		
Operating Environment	Working Temperature	:18~32°C	
	Humidity	: 80% at 32°C	
	Altitude	: up to 3000 meters	
Printout	External printer (Printer: PCL3 Inkjet printer, PCL6 protocol Laser printer and all the printers supported by Linux)		
Power Requirement	90-260VAC, 47-63 Hz		
Dimension	400mm(H) x 370mm(W) x 380mm(D)		
Weight	15 Kg		

### PARAMETERS

#### CBC

WBC  
RBC  
HGB  
HCT  
MCV  
RDWCV  
RDWSD  
MCH  
MCHC  
PLT

#### 3-DIFF

LYM#  
LYM%  
MID#  
MID%  
GRA#  
GRA%

#### RUO

PCT  
PDW  
LPCR