

Technical Specifications

Principle

Electrical impedance for counting

Parameters

WBC, LYM#, MID#, GRA#, LYM%, MID%, GRA%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, and 3 Histograms for WBC, RBC and PLT

Throughput

Up to 60 samples per hour

Sample Volume

Whole blood: 9µl, Pre-dilution blood: 20µl

Aperture Diameter

WBC: 80µm RBC: 50µm

Alarms

Error messages

Display

10.4" large color LCD

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Printout

Built-in thermal printer, various print-out formats;
External printer optional

Input

Mouse and keyboard, connected by USB ports
Touching screen(optional)

Interface

USB x3, RS232 x2

Storage

10,000 sample results including histograms,
available to increase storage by expanding
memory card

Working Conditions

Temperature: 15-35°C, Humidity: ≤80%
Atmospheric pressure: 70Kpa-106Kpa
Power supply: AC100-240V, 50±1Hz

Dimension

325x370x545mm(L*W*H)

Weight

16Kg(net), 23Kg(gross)

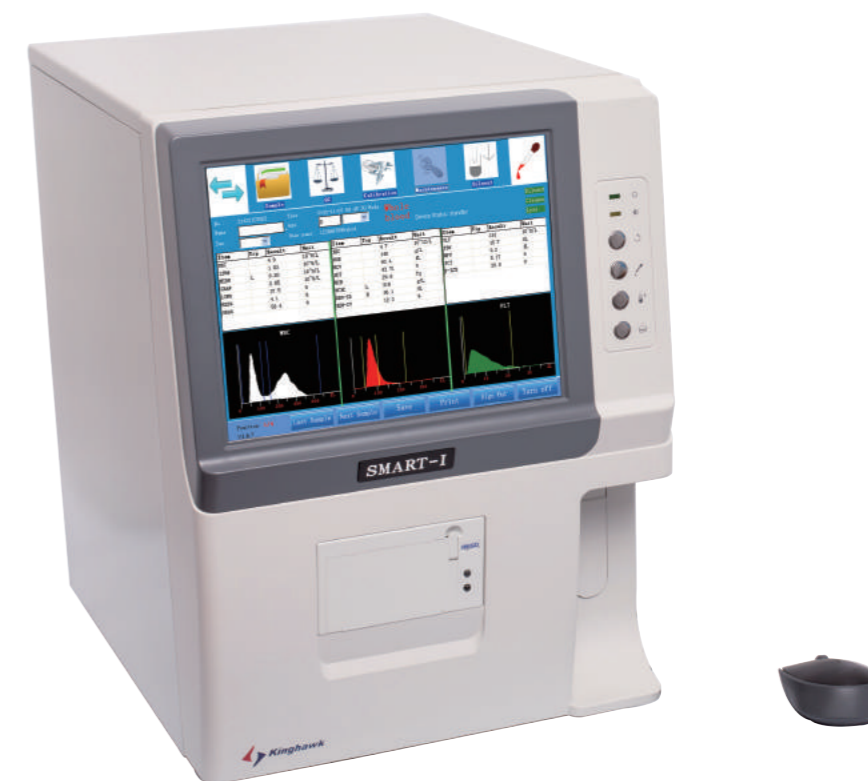


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- 20 parameters + 3 histograms
- 10.4" large color LCD
- Touch screen (optional)
- Up to 60 samples/hour
- 2 counting channels
- Stable, durable and economical

SMART-I

Auto Hematology Analyzer

Profession & Care

Jinan Kinghawk Technology Co.,Ltd

SMART-I Auto Hematology Analyzer

Performance

High Stability & Accuracy

- Use the most advanced binuclear embedded digital circuit system, to make the analytical ability great and stable
- 2 counting channels of WBC and RBC, to make the test results more accurate and less cross- contamination

User-friendly System

- 10.4" large color LCD displays full data,easy for user to view
- Brief operation instruction built in software,
- Separate module design, very simple mechanical structure, easy maintenance
- Self check for hardware, alarm for error
- Reagent volume detectors for Lyse, Cleanser and Diluent, as optional function

Reagents



Lyse 1L
 Cleanser 5L
 Diluent 20L
 Conct.Cleanser 100ml

Reliable Operation System

- ARM intelligent micro-processing technology
- Data analysis: intelligent pulse formulation technology
- Classification: floating landmark technology
- Module design, fast maintenance

Technical Features

- 2 counting modes: whole blood, pre-dilution blood
- Sample pre-dilution: internal diluter, add 1ml diluent automatically by the needle, no need to add diluent manually, to avoid error
- Calibration: automated or manual
- QC: comprehensive QC program, forming and printing the histogram automatically
- Block removal: Real time monitor, High voltage burning soak, flush and back flush

Start-up Kits



Lyse 500ml
 Cleanser 1L
 Diluent 5L
 Conct.Cleanser 100ml

Operation System

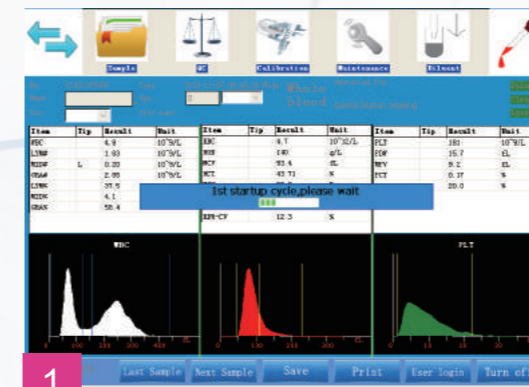
10.4" Large Color LCD



Functional Buttons



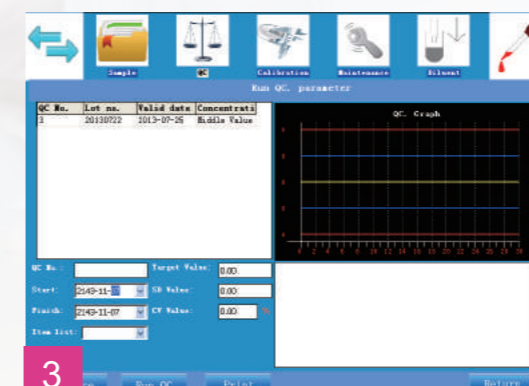
User-friendly Software



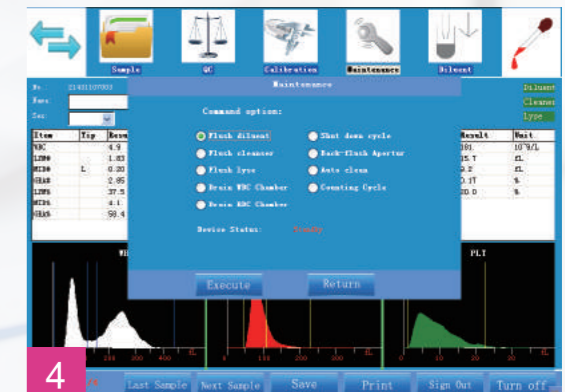
- Full screen info with color histogram



- Calibration info



- QC info



- Maintenance info