

## Technical Specifications:

### Principle

Impedance method for WBC, RBC and PLT test :  
Cyanide free colorimetry for HGB test

### Power:

100-240V, 50/60Hz

### Parameter

22 parameters including:

WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC,  
HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV,  
PLT, MPV, PDW-SD, PDW-CV, PCT, P-LCR, P-LCC

### Throughput:

60 samples/hour

### Languages

English, Spanish, Italian, French, Russian,  
etc.

### Sample volume

Whole blood mode: 9ul  
Capillary mode: 9ul  
Prediluted mode: 20ul

### Data Storage

Up to 500,000 results with histograms

### Calibration

Manual & Auto calibration

### Operating Conditions:

Temperature: 15-30°C,  
Humidity: 10-90% RH

### Quality Control

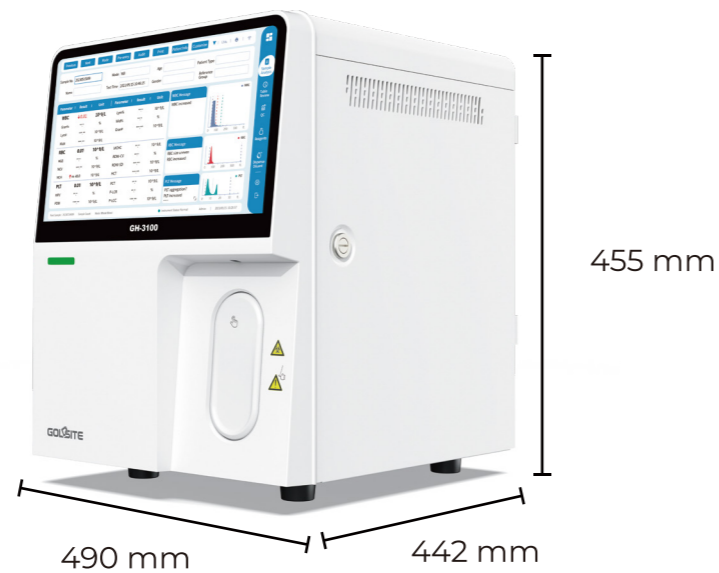
3-level QC  
L-J QC, X-B QC

### Dimensions:

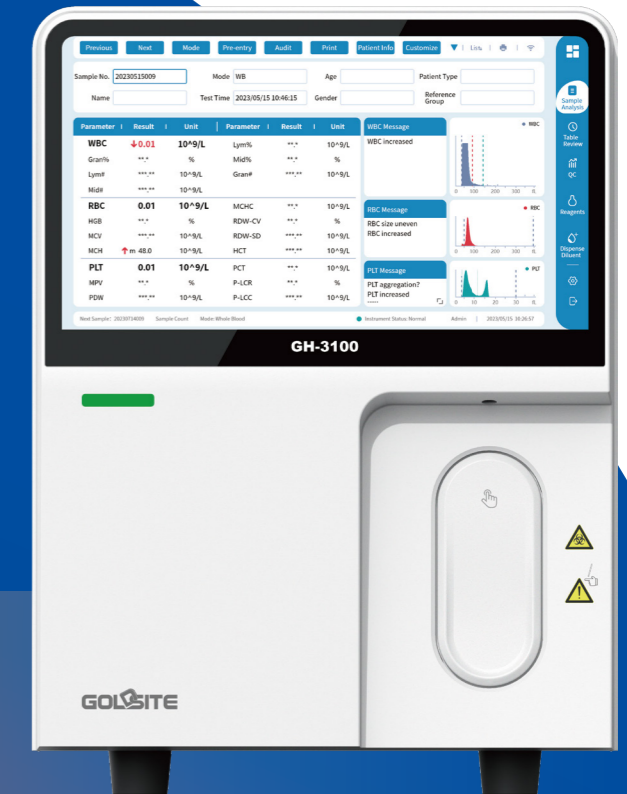
490mm x 442mm x 455mm

### Weight:

19kg



Weight: 19 KG



# GH-3100

## 3-Part Hematology Analyzer

Designed to meet the increasing demands of today's diagnostics, the GH-3100 offers unparalleled accuracy in a compact and user-friendly package.

## Features

### Advanced Technology for Accurate Results

**3-Part Differentiation:** Accurately differentiates between neutrophils, lymphocytes, and monocytes.

**Efficient Sample Processing:** Capable of processing 60 samples per hour with just 9  $\mu$ L of blood.

**Comprehensive Parameters:** Delivers 22 essential parameters with 3 histograms for WBC, RBC, and PLT. 22 parameters including: WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW-SD, PDW-CV, PCT, P-LCR, P-LCC

### Intuitive Data Management

**Smart Data Software:** Easy data access with advanced software features.

**Seamless LIS Integration:** Connects effortlessly with electronic medical records systems.

### Quality Control at Its Best

**Automated Calibration:** Ensures consistent performance with minimal downtime.

**Self-Monitoring System:** Regular checks keep the analyzer at peak accuracy.

## Why Choose the GH-3100 Hematology Analyzer?

#### Rapid Results:

Quick turnaround time for high-pressure environments.

#### Space-Saving Design:

Ideal for small to medium-sized labs with limited space.

#### Economic Operation:

Low reagent consumption and minimal maintenance.

#### User-Friendly Interface:

Simplified operation with touch-screen

#### Reliable Support:

Comprehensive warranty and responsive customer service team.



WBC

RBC

PLT

| Parameter | Result | Unit               | Parameter | Result | Unit               |
|-----------|--------|--------------------|-----------|--------|--------------------|
| WBC       | ↓ 0.01 | 10 <sup>9</sup> /L | Lym%      | ***    | 10 <sup>9</sup> /L |
| Gran%     | ***    | %                  | Mid%      | ***    | %                  |
| Lym#      | ***    | 10 <sup>9</sup> /L | Gran#     | ***    | 10 <sup>9</sup> /L |
| Mid#      | ***    | 10 <sup>9</sup> /L |           |        |                    |
| RBC       | 0.01   | 10 <sup>9</sup> /L | MCHC      | ***    | 10 <sup>9</sup> /L |
| HGB       | ***    | %                  | RDW-CV    | ***    | %                  |
| MCV       | ***    | 10 <sup>9</sup> /L | RDW-SD    | ***    | 10 <sup>9</sup> /L |
| MCH       | ↑ 48.0 | 10 <sup>9</sup> /L | HCT       | ***    | 10 <sup>9</sup> /L |
| PLT       | 0.01   | 10 <sup>9</sup> /L | PCT       | ***    | 10 <sup>9</sup> /L |
| MPV       | ***    | %                  | P-LCR     | ***    | %                  |
| PDW       | ***    | 10 <sup>9</sup> /L | P-LCC     | ***    | 10 <sup>9</sup> /L |

GH-3100