

# H30 Pro Hematology Analyzer

## Specification

### Parameters

reportable parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, LYM, MID, GRA, LYM%  
MID%, GRA%, RDW-SD, RDW-CV, PDW-SD, PDW-CV, MPV, PCT

2 RUO parameters: \*NLR, \*PLR

3 histograms for WBC, RBC and PLT

Performance	Parameter	Linearity Range	Precision ( CV % )
	WBC (10 <sup>9</sup> /L)	0.0-300	≤2.5% (3.50-15.00)
	RBC (10 <sup>12</sup> /L)	0.0-8.5	≤1.5% (3.5-6.5)
	HGB (g/L)	0-250	≤1.5% (100-180)
	PLT (10 <sup>9</sup> /L)	0-4000	≤5.0% (125-500)
	MCV(fL)	70-120	≤1.0% (70.0-120.0)
	HCT(%)		≤2.0% (30-50)

### Principles

Direct impedance method for WBC, RBC and PLT counting  
Cyanide free Lyse reagent for hemoglobin test

### Sample Volume

Whole blood mode	10 µL
Capillary whole blood mode	10 µL
Pre-diluted mode	20 µL

### Reagent

HD310 Diluent 10L/20L  
HL310 Lyse 200mL/500mL/1L  
HC310 Cleaner 50mL

### Operating Environment

Temperature: 15°C~35°C;  
Humidity: 20% RH~85% RH;  
Air pressure: 70 kPa~106 kPa

### Display

10.4 inch TFT color touch screen

### Throughput

60 samples per hour

### Control and Calibrator

ED-30D, ED-CAL PLUS

### Data Storage Capacity

100,000 results including results and histograms  
60 QC files (100 data per file)

### Dimension and Weight

415mm(L) x 275mm(W) x 406mm(H);  
Weight: 18kg

### Interface

5 USB ports (for external printer, software upgrade,  
barcode scanner, keyboard, mouse), 1 LAN port



# Empowering CBC test with maximum capabilities

## H30 Pro

Hematology Analyzer



## About Edan

Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including:

- Diagnostic ECG
- Patient Monitoring
- OB/GYN
- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.



A world of potential

### Global Headquarters:

Edan Instruments, Inc. | 15 Jinhui Road, Pingshan District, Shenzhen,  
518122 P.R. China | +86.755.26898326 | www.edan.com | info@edan.com

### U.S. and Canada inquiries:

EDAN Diagnostics, Inc. | 9918 Via Pasar, San Diego, CA 92126  
+1.858.750.3066 | www.edandiagnostics.com | edan-info@edandiagnostics.com

© Edan Instruments, Inc. All rights reserved. Features and specifications are subject to change without prior notice.  
No reproduction, copy or transmission may be made without written permission.  
Not all products or features are available in all countries, contact Edan for local availability.



ENG-IVD-H30 Pro-V1.0-20220303



A world of potential

# H30 Pro

## Empowering CBC test with maximum capabilities

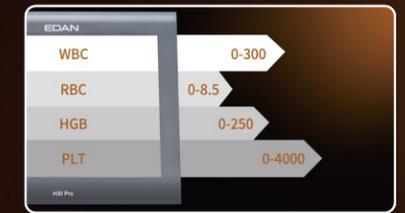
H30 Pro is a robust 3-part hematology analyzer integrating a range of advanced features intended for a cost-minded and quality-focused clinical laboratory. The enhanced specification expands clinical capabilities; The brand new operating system simplifies the working process; The quality hardware components ensure reliable performance, and the improved fluidic system reduces reagent consumption. To pursuit higher satisfaction, H30 Pro empowers CBC test with maximum capabilities by

- Giving absolute neutrophil count
- Offering up to 23 parameters including PLR and NLR
- Extending linearity range for WBC and PLT
- Differentiating WBC, RBC, and PLT with adaptive threshold
- Requiring small sample volume for pediatric samples and difficult draw
- Simplifying the working process with an intuitive operation system
- Lowering cost with two routine reagents



## Expanded clinical capabilities

- Wider linearity range and better precision meet diversified clinical cases
- 23-parameters test result, including NLR and PLR, helps with the prognosis of infectious and cardiovascular diseases
- Adaptive threshold differentiates WBC, RBC, and PLT with better accuracy
- Original hematology calibrator and controls guarantee the performance



## Simplified working process

- 10.4-inch color touch screen with an innovative operating system is simple-to-use and easy-to-navigate
- A handheld barcode scanner allows easy entry of patient ID
- RFID transducer secures the distributors' reagent business
- A built-in thermal printer allows for a fast printout of test reports



- The memory contains up to 100,000 results, including histograms
- Up to 60 QC files with 100 QC data for each can be stored
- Support external printer, barcode scanner, mouse, and keyboard for flexible connection options
- Bidirectional LIS connectivity via HL7



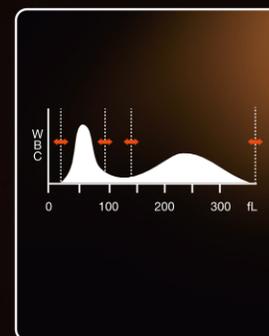
Intuitive operating system



Offering NLR, PLR



Small sample volume



Adaptive threshold

## Effective cost control

- Two routine reagents for sample analysis, up to 120 days on-board stability plus low reagent consumption, provide cost-effective results
- Reliable diagnostics keep costs to a minimum
- Minimal maintenance ensures maximal uptime

