

# H60S Hematology Analyzer

## Specification

### Parameters **NEW**

25 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC.

8 research parameters include LIC%, LIC#, ALY%, ALY#, **NRBC%**, **NRBC#**, NLR, PLR

3 histograms for **WBC**, RBC and PLT

2 scattergrams for DIFF and BASO

Performance	Parameter	Linearity Range	Precision ( CV % )
	WBC (10 <sup>9</sup> /L)	0.0-500	≤3.0% (3.50-7.00) ≤2.5% (7.01-15.00)
	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% (100-500)
	MCV (fL)		≤1.0% (70-120)

### Principles

Semiconductor laser flow cytometry analysis for WBC, DIFF and BASO counting

Electrical impedance method for RBC, PLT counting

Cyanide-free reagent for HGB with colorimetric method

### Sample Volume

Whole blood mode	16 µL
Capillary whole blood mode	16 µL
Pre-diluted mode	20 µL

### Reagent

HD600 Diluent 20L  
HL600 Lyse 500mL/1L  
HC310 Cleaner 50mL

### Operating Environment

Temperature: 15°C~32°C;  
Humidity: 30% RH~85% RH;  
Air pressure: 70 kPa~106 kPa

### Throughput

60 samples per hour

### Interface

12 inch colorful touch screen

### Control and Calibrator

ED-60D, ED-CAL PLUS

### Data Storage Capacity

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

### Dimension and Weight

626.5 (D)×565 (W)×580(H)  
Weight: 42kg



# Deliver reliable results with maximum uptime

## H60S 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

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A world of potential

# ELEGANT DESIGN AS USUAL

At Edan, we are a new player in the IVD field, while we are well known around the world for the excellence of our medical products. We are a successor in hematology, whereas we are not a follower. We are, as USUAL, to provide professional service and trustable performance to reshape your experience.

We are on a journey to understand your needs, solve your challenges and provide a better solution. Our fundamental goal is to make sure our products truly meet your needs without generating an extra burden. And this is about design.

A good design includes everything, which influences the entire user experience. Our answer is Elegant Design as USUAL.

Within our Elegant Design concept, we are emphasizing five tenets to enhance your experience.

**USER | SPACE | OUTLINE | SERIAL | LIFESPAN**



**USER**  
Design with user-oriented

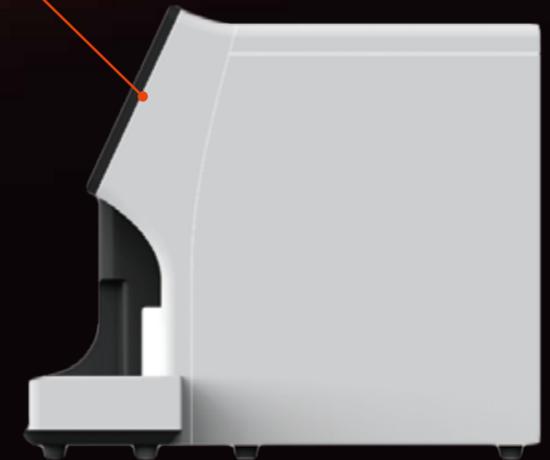
**SPACE**  
Design to suit your surroundings

**OUTLINE**  
Design to simplify your operation

**SERIAL**  
Different model tailored to your needs

**LIFESPAN**  
Design for long product life

20 degree angle



# H60 SERIES: BRIGHTEN YOUR HEMATOLOGY LIGHTEN YOUR WORK

People who work in the laboratory deserve great respect and attention. It's a challenging job with a high workload and fast response. Every day, with patients and physicians counting on you, you have no space for error and hardly have time to breathe, so you have to be focused at all times. Having the right instrument is the ultimate solution.

We invent the requirements and explore the pain points to develop a new concept in hematology. The hematology approach has been in the market for decades, but many challenges haven't been tackled. Adapted to the fundamental but significant appeal points, the Edan H60 series can well suit your needs.

The Edan H60 series are positioned in low to moderate volume laboratories, committed to lightening your work with an enjoyable experience. Equipped with an integrated, intuitive operation system, it brings a reliable system with clinical values and effective cost control. The Edan H60 series is tailored to you.

## FREE YOU WITH MAXIMUM UPTIME

# DETAILS THAT LIGHTEN YOUR WORK

Automatic rotation and recognition of sample ID



12-inch colorful touch screen

Reagent management via RFID card secure your reagent business



60 samples capacity autoloader with continuous loading



STAT position Easy switch from autoloader loader



Various tube supported  
Incorrect mode selection prompt  
• Vacuum tube  
• 0.5ml/1.5ml centrifuge tube  
• Microtainer

# INTUITIVE SYSTEM THAT SIMPLIFIES YOUR HANDLING



## The system that stands out

The H60S features a whole set of user-oriented functions that are hard to find elsewhere. Its android-based system has a similar experience as a smartphone – pleasure-to-operate and easy-to-use. You can get to any functionality within two steps. The 12-inch colorful touch screen makes working with H60S and viewing its results exceptionally straightforward.

## Outstanding graphic interface

The user interface is undoubtedly the most visible and best-appreciated feature of the H60 series. Different set-up views, each optimized for various user situations, facilitate routine use. The most common include a sample view showing classic graphs and all parameters within one page. The other sample view features the most practical reference bar display that indicates the results' status. The comprehensive information on the short-cut menu bar and status bar give you fast access to any primary function.

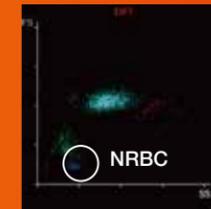
## Communicate and print like never before

An integrated workstation with the HIS and LIS connections further streamlines analysis and reporting. Standardized HL7 protocol and storage capacity extends up to 100,000 easily accessible sample files. The print function has the most flexible options that allow you to print individual sample results and control tests, L-J graphs, or QC lists with any parameters selection.

# SENSITIVE FLAGGINGS THAT ASSIST YOUR INSIGHTS

## NRBC

NRBC PRESENCE FLAGGING  
REMIND TO CORRECT WHITE BLOOD CELL COUNTS BY SMEAR



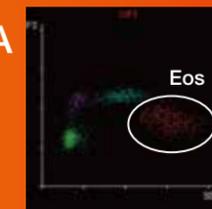
## ALY

ABNORMAL LYMPHOCYTE FLAGGING  
SUSPICIOUS OF VARIANT LYMPHOCYTES AND MALIGNANT LYMPHOCYTES



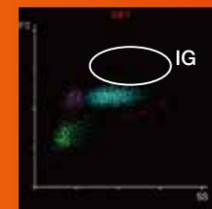
## EOSINOPHILIA

HIGH SPECIFICITY ON EOSINOPHIL  
GREAT DIFFERENTIATION ON EOSINOPHILIA SAMPLES



## IG

IG PRESENCE FLAGGING  
ASSESSMENT OF SEPSIS AND INFLAMMATION  
COMPRISED OF METAMYELOCYTES, MYELOCYTES & PROMYELOCYTES



## DIFF

10 DIFF PARAMETERS  
HIGH CLUSTERING OF 5-DIFF  
TWO 2D SCATTERGRAMS  
HIGH SENSITIVITY FLAGGING





**EDAN**

EDAN INSTRUMENTS, INC.

## DECLARATION OF CONFORMITY TO COUNCIL DIRECTIVE 98/79/EC

**MANUFACTURER:** Edan Instruments, Inc.  
#15 Jinhui Road, Jinsha Community, Kengzi Sub-District,  
Pingshan District, 518122 Shenzhen, P.R.China

**EUROPEAN REPRESENTATIVE:** Shanghai International Holding Corp. GmbH  
Eiffestrasse 80, 20537 Hamburg Germany

**PRODUCT/ MODEL:** Hematology Analyzer/ H60, H60S, H66, H66S, H68, H68S,  
H69, H69S  
Reagents for Hematology Analyzer/ HD600 Diluent, HL600  
Lyse, HC600 Cleaner, ED-60D Control H, ED-  
60D Control N, ED-60D Control L Hematology  
Controls, ED-CAL PLUS Hematology Calibrator.

*The accessories are used together with the product.*

EDMA[Name/Code]: CC Hardware + accessories + consumables + software/23.01.10.01.00  
CBC-Reagents(Cleaning-/Diluting-/Lysing-/Sheat-fluids)/13.01.01.01.00  
Blood Multilevel Controls/ 13.01.50.03.00  
Whole Blood Calibrators/ 13.01.50.07.00

**CLASSIFICATION:**General/other device, devices other than those covered by Annex II and devices for performance evaluation, non-self-testing, according to article 9 of IVDD.

**CONFORMITY ASSESSMENT ROUTE:** Annex III

WE, EDAN INSTRUMENTS, INC., HEREWITH DECLARE THAT THE ABOVE MENTIONED PRODUCT(S) MEET THE TRANSPOSITION INTO NATIONAL LAW, THE PROVISIONS OF COUNCIL DIRECTIVE 98/79/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 OCTOBER 1998 ON IN VITRO DIAGNOSTIC MEDICAL DEVICES.

ALL SUPPORTING DOCUMENTATION IS RETAINED AT THE PREMISES OF THE MANUFACTURER.

**STANDARDS APPLIED: EN ISO 14971: 2012, IEC 61010-1:2017, IEC 61010-2-101:2018, EN 61326-1:2013, EN 61326-2-6:2013, EN 62304:2006 +A1:2015, EN 62366-1:2015, EN 1041: 2008+A1:2013, EN ISO 15223-1:2016, EN ISO 18113-1:2011, EN ISO 18113-2:2011, EN ISO 18113-3:2011, EN 13612:2002, EN 13641:2002, EN ISO 17511:2003, EN ISO 23640:2015**

CE MARK



START OF CE-MARKING:

2021.8.10

PLACE, DATE OF ISSUE:

SHENZHEN, 2021.8.10

SIGNATURE:

NAME **LIU YONGYING**  
MANAGEMENT REPRESENTATIVE



# CERTIFICATE OF TRAINING

**Sergiu Sorocovici,**

**From "GBG-MLD" SRL, has successfully completed H30 pro, H60 series training courses including operation and maintenance, and is qualified to offer technical support for above mentioned products.**

深圳市理邦精密仪器股份有限公司  
EDAN INSTRUMENTS, INC.

赖晓宇

International Customer Service Manager

Date Nov 1<sup>st</sup>, 2023