

ERVIN DANESH AZMA



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اروین دانش آزما  
Ervin Danesh Azma



We Believe the Possibilities.

Automated Hematology Analyzer

## XP-Series (XP-100, XP-300)

Simplicity Made for You



# Specifications

<b>Analysis Principle</b>	WBC : DC detection method RBC/PLT : DC detection method HGB: Non-cyanide haemoglobin analysis method	
<b>Parameters</b>	Whole blood mode, Pre-diluted mode WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT LYM%, MXD%, NEUT%, LYM#, MXD#, NEUT# RDW-SD, RDW-CV, PDW*, MPV, PCT, P-LCR*	
<b>Throughput</b>	Approx. 60 samples per hour	
<b>Sample Volume</b>	WB mode Approx. 50µL PD mode Approx. 20µL	
<b>Sample ID.</b>	Up to 15 characters	
<b>Quality Control Material</b>	Eightcheck-3WP (Low, Normal, High)	
<b>Quality Control</b>	60 plots x 6 files	
<b>Calibrator Material</b>	SCS-1000	
<b>Dimension (W x D x H)</b>	Main unit : 420 x 355 x 480 mm	
<b>Weight</b>	Approx. 30 kg	
<b>Data Storage</b>	<b>XP-100</b>	<b>XP-300</b>
	Up to 35,000 with histogram	Up to 40,000 with histogram
<b>Printer</b>	Built-in Thermal Printer	
<b>Interfaces</b>	LAN (Ethernet for host computer) Bar code reader (Handheld) Serial port (for host computer/RS-232 C) Graphic Printer (option) LAN (SNCS service)**	

\* In some areas, this parameter is not reportable

\*\* Under development



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## About Sysmex

Sysmex is a global market leader in the development and implementation of clinical diagnostic and health IT products and services for laboratories, hospitals and healthcare organisations.

We deliver total solutions in the field of clinical laboratory testing, including hematology, coagulation and urinalysis. Supplying products and services to customers in more than 150 countries, Sysmex is the market leader in hematology and coagulation instrumentation worldwide.

By working together with our customers and business partners, Sysmex is committed to our mission of shaping the advancement of healthcare.

Marketed by:

**Transasia Bio-Medicals Ltd.**

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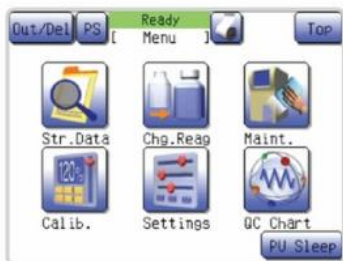


XP-100



XP-300

The XP-series is a compact automated hematology analyzer consisting of two models XP-100 and XP-300. The XP-series performs reliable analysis of 20 parameters (both in WB mode and PD mode) and displays analysis result with 3 histograms on a colour LCD screen.

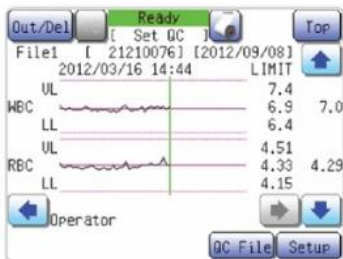


### Simplicity in Operation

- Friendly to use due to Big Colour Touch Screen with intuitive graphic icons
- Data from 20 parameters plus 3 histograms for RBC, PLT and WBC are presented via LCD graphic display and can be printed out from built-in thermal printer
- On-board storage capacity for up to 40,000 data parameters including histograms (XP-300 only)
- Daily maintenance by a single shut down procedure

### Simplicity in Quality Control System

- The XP-Series uses human blood-based control material
- The control information such as lot number, expiry date and data assay values can be easily input by scanning the assay sheet using a barcode reader, eliminating the risk of human error
- The XP-series has 6 QC files on board. QC results are automatically entered into the L-J or X bar chart for easy monitoring



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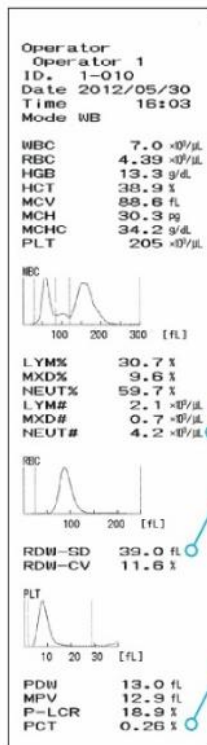
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## Accurate and Reliable Results

- Fully-automated analyzer analyzing 20 parameters in both WB and PD mode
- Accurate detection technology inherent in Sysmex XP-series. The sample rotor valve measures the required volume of sample precisely to provide accurate and reliable WBC, RBC and PLT count
- Superior MCV and MCH due to direct HCT measurement
- Better patient management
- Excellent flagging system for reliable reporting



### Screening for inflammation

Distinct Neutrophil population provides clinical data useful for better patient management.

### Screening for anaemia

Both RDW-SD and RDW-CV combined with MCV can set criteria for differentiation of iron deficiency anaemia and beta thalassemia.

### Screening for the cause of thrombocytopenia

PDW, P-LCR and MPV have sufficient sensitivity and specificity in the diagnosis of immune thrombocytopenia\*.

\* Kaito K, Otsubo H, Usui N, Yoshida M, Tanno J, Kurihara E, et al. Platelet size deviation width, platelet large cell ratio, and mean platelet volume have sufficient sensitivity and specificity in the diagnosis of immune thrombocytopenia. *British Journal of Haematology* 2005;128:698-702

## SNCS

### (Sysmex Network Communication Systems)\*\*

- Online QC is a unique integration of daily internal QC, and international external quality assurance into just one QC measurement
- Easy access to QC results in real-time
- Timely corrective action avoiding reporting of error results
- SNCS online QC ensures the highest level of confidence and assurance



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