

Specifications

ANALYSIS PRINCIPLE

WBC : DC detection method
RBC/PLT : DC detection method
HGB: Non-cyanide haemoglobin analysis method

PARAMETERS

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

SAMPLE VOLUME

WB mode Approx. 50µL
PD mode Approx. 20µL

SAMPLE ID.

Up to 15 characters

QUALITY CONTROL MATERIAL

Eightcheck-3W (Low, Normal, High)

QUALITY CONTROL

60 plots x 6 files

THROUGHPUT

Approx. 60 samples per hours

CALIBRATOR MATERIAL

SCS-1000

DIMENSION (W X D X H)

Main Unit: 420 x 355 x 480 mm

WEIGHT

Approx. 30 kg

DATA STORAGE

XP-100 Up to 35,000 with histogram
XP-300 Up to 40,000 with histogram

PRINTER

Built-in Thermal Printer

INTERFACES

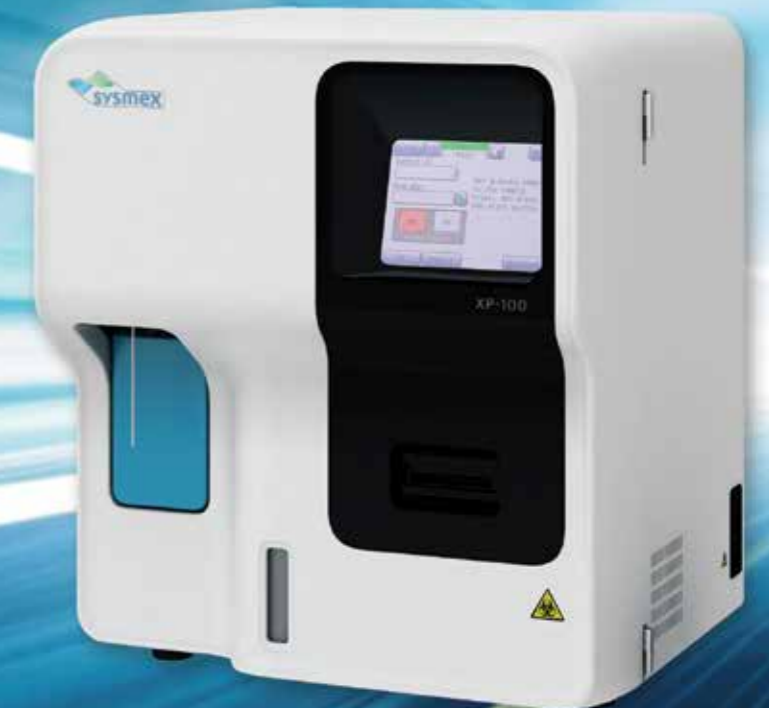
LAN (Ethernet for host computer)
Bar code reader (Handheld)
Serial port (for host computer/RS-232 C)
Graphic Printer (option)
LAN (SNCS service)

XP-300 is US FDA 510(k) cleared.

Automated Haematology Analyser

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

Simplicity Made
for You



Design and specifications may be subject to change due to further product development.

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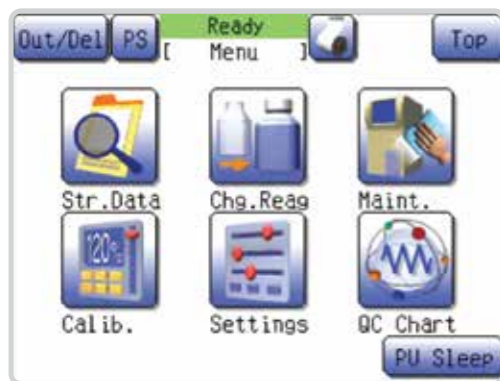


XP-100

XP-300

Simplicity Made for You!

The XP-series is a compact automated haematology analyser 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

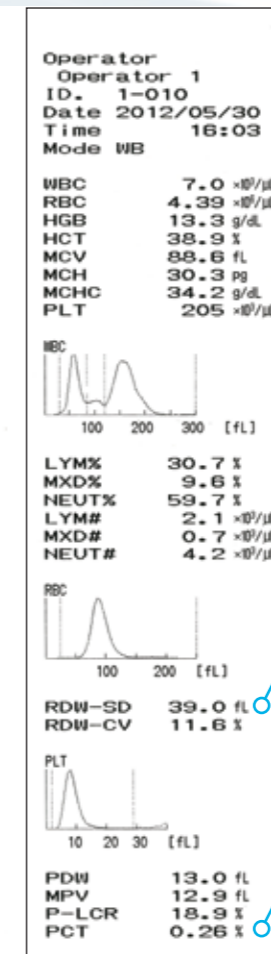
Accurate and Reliable Results

- Fully-automated analyser analysing 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
- True red blood cell indices from direct HCT measurement
- Excellent flagging system for reliable reporting
- Accurate and reliable results for better patient management

References

1. T. P. S. A. Discriminant Functions In Distinguishing Beta Thalassemia Trait and Iron Deficiency Anaemia: The value of the RDW-SD. *The Internet Journal of Haematology*. 2010 Volume 7 Number 2.

2. 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. *Br J Haematol*. 2005;128(5):698-702.



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.¹

Screening for the cause of thrombocytopenia
PDW, P-LCR and MPV have sufficient sensitivity and specificity in the diagnosis of immune thrombocytopenia.²

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



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



*XP-300 only