



BEYOND A BETTER BOX™

XW™-100 AUTOMATED HEMATOLOGY ANALYZER
CLIA WAIVED
TECHNICAL SPECIFICATIONS

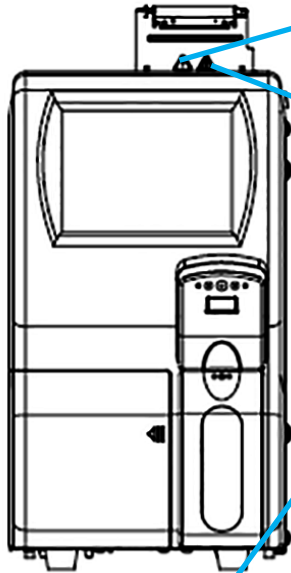


XW-100 TECHNICAL SPECIFICATIONS

Symbols

Symbols indicating biological risks and warnings are presented throughout this manual to call attention to important information on safety and handling. Non-compliance with this information compromises safety.

Front



WARNING

- Static electricity may damage the printer head.
- **DO NOT** touch.



WARNING, HOT

- The printer head may be very hot.



WARNING

- This equipment must be grounded.
- To avoid electrical shock, disconnect supply before servicing.



BIOLOGICAL RISKS

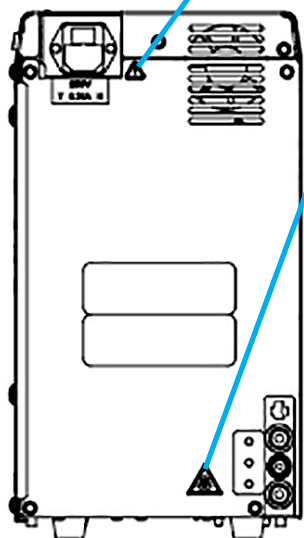
- To avoid infection, wear protective garments and gloves for cleaning and/or maintenance.
- After completing work, wash hands with disinfectant.



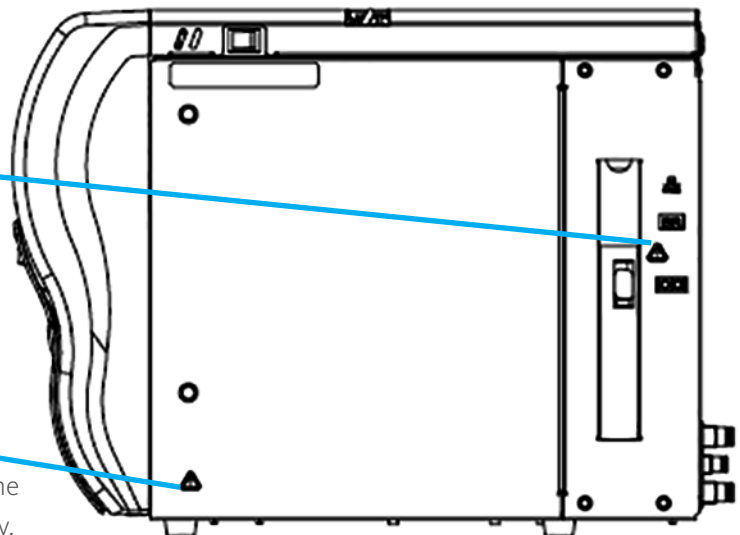
WARNING

- Static electricity may damage the electronic circuit via the connectors on the right side.
- **DO NOT** touch connector pins with hands.
- Turn the main switch **OFF** before inserting or removing connectors.

Back



Right Side

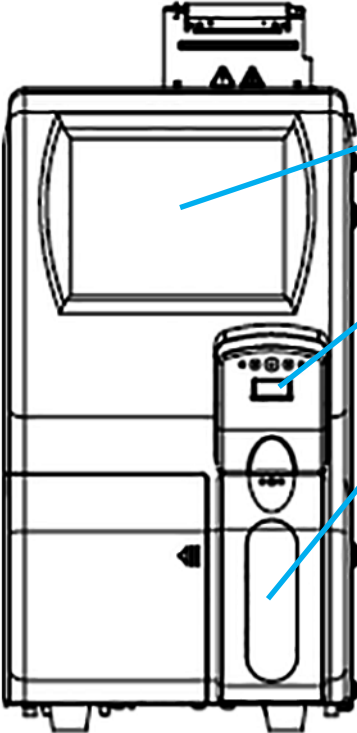


WARNING

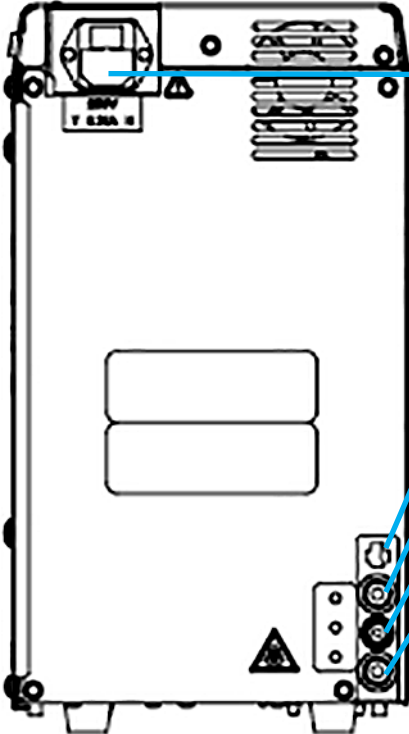
- Never insert your hand when the power of the analyzer is turned ON. There is a risk of injury.

XW-100 TECHNICAL SPECIFICATIONS

Parts Overview



- Front
- Color LCD screen
 - Open button
 - Sample position



- Back
- Inlet
 - Float switch connector for waste bottle
 - Diluent inlet nipple
 - Lyse inlet nipple
 - Waste outlet nipple

XW-100 TECHNICAL SPECIFICATIONS

System Specifications

Ambient Temperature	15-25 °C for CLIA waived operating environment (Ideal operating temperature is 23 °C) Note: The ambient temperature only for the main unit is 15-30 °C
Relative Humidity	30 - 85 %
Main Unit Dimensions	Width: 185 mm (7.3 in) Depth: 460 mm (18.1 in) Height: 350 mm (13.8 in) Weight of XW main unit : 14 kg (31 lbs.) Weight of XW whole system* : 17 kg (38 lbs.) * The whole system includes the main unit, reagents and accessories
Power Supply	100 - 240 VAC (± 10%), 50/60 Hz
Power Consumption	150 VA or less
Background Limits	WBC 0.3 (× 10 ³ /μL) RBC 0.02 (× 10 ⁶ /μL) HGB 0.1 (g/dL) PLT 10 (× 10 ³ /μL)
Analysis Time	Approximately 148 seconds from start of analysis
Analysis Principle	WBC: DC detection method RBC/PLT: Hydrodynamic Focusing DC detection method HGB: Non-cyanide HGB method
Required Temperature Compensation	Approximately 512 BTU/h (Approximately 130 kcal/h)
Storage Conditions	Ambient temperature: -10 - 60 °C Relative humidity: 20 - 95% Atmospheric pressure: 70 - 106 kPa

XW-100 TECHNICAL SPECIFICATIONS

Waste Disposal

- Always wear protective garments and gloves when handling waste fluid.
- After work is completed, wash hands with disinfectant.

General Information

- Using the XW-100 in ways not described in the Quick Guide impairs the instrument's safety features.
- Please read the XW-100 Start-up Quick Guide when setting up the instrument. Follow the on-screen instructions to connect the tubes and to install the printer roll paper and barcode reader.
- **DO NOT** touch any electrical circuitry inside the cover; the danger of electric shock is particularly high when hands are wet.
- **DO NOT** connect the XW-100 to a power outlet rated at anything other than the rated plate, as the instrument must be grounded.
- In case of injury or infection:
 - Follow your laboratory's prescribed procedure to disinfect and decontaminate.
 - Consult a doctor **immediately**.
- **DO NOT** spill samples or reagents onto the XW-100, and take care not to let anything metal, such as needles and/or clips, fall into it.
- If the XW-100 malfunctions, **immediately** turn **OFF** the main switch and unplug the power cable.
- When transporting the XW-100:
 - Refer to the shutdown Quick Guide.
- **DO NOT** open the fuse box. If the fuse (250V, T3.15A) is removed or replaced with ones which are not specified by Sysmex, XW-100 will not function properly.
- **DO NOT** connect the interface cable and devices which do not obtain the safety certification to this instrument. It is the responsibility of the user to prepare and use devices which obtain the safety certification with this instrument.

XW-100 TECHNICAL SPECIFICATIONS

Consumables and Supply Parts

- Contact your local Sysmex Service representative for more information.
- All reagents used with the XW-100 are for use with Sysmex instruments only:
 - **DO NOT** use Sysmex reagents for other purposes.
 - Only use the reagents specified below for the XW-100; there is no guarantee of quality performance if any other reagent or instrument is used.
- Please use reagents correctly; follow the warnings for handling described on the vial, package box, package insert, and in this manual.

Consumables

Code Number	Parts Name
HEMPOCHIPAPER	Thermal Paper
ZA900005	XW pack D
ZA900006	XW pack L
BL551785	XW CELLCLEAN
224032	XW QC CHECK

XW-100 TECHNICAL SPECIFICATIONS

Supply Parts

Code Number	Parts Name
CX385199	Reagent Tray
26571518	Power Cord
BE670427	Ethernet Cable
03300439	Waste Bottle and Waste Tubing
AR401564	Barcode Reader
44230512	Green Adapter
CJ296916	White Adapter
02324446	Container Spout Kit XW pack D
03304160	Container Spout Kit XW pack L



Systemex America, Inc.
577 Aptakistic Road
Lincolnshire, IL 60069, U.S.A.
Tel. +1 (800) 379-7639
www.sysmex.com/us

Systemex Corporation
1-5-1 Wakinohama-Kaigandori
Chuo-ku, Kobe 651-0073, Japan