

DS 235 Plus Advanced Model **Semi Bio-chemistry Analyzer**

Product Features

- Windows embedded compact 7
- 7-inch true color touch screen (800 x 480 pixels)
- 4 USB Ports & 1 ethernet port
- flow cell & cuvette testing mode
- Universal power supply

Urine Analyzer DS-1000A processes 60 strips per hour in single test mode and over 120 strips per hour in continuous test mode. It can store up to 1000 test results for convenient data retrieval and analysis. Utilizes photoelectric colorimetry to detect light absorbance changes for precise measurements. Includes an automatic urine absorption mechanism to prevent cross-contamination. Our unit is equipped with an LCD screen to facilitate a clear display for easy operation.



Feature	Specification
Photometric Module	Seven Narrowband Interference Filters Filter Wavelengths: 340, 405, 505, 546, 578, 630 and 670nm (1 open position for optional Filter) IAD process ensures long Filter life Wavelength Accuracy: ± 2 nm Silicon Photo Diode detector Absorbance <u>Range</u> : 0.0 – 3.0 A Resolution: 0.0001 Absorbance Units Photometric <u>Drift</u> : < 5 mAbs/30min <u>CV</u> : < 1%
Temperature of Flow Cell/Cuvette	25°C, 30°C, 37°C Temperature Stability $\pm 0.2^\circ\text{C}$
Display	5.7 inch LCD display screen, High Contrast Display
Keyboard	Tactile touch QWERTY keypad, Visual indication during aspiration
Printer	Internal 57mm thermal printer with full graphics printing
Measuring Module	Dual-mode (<u>Flow</u> cell & Cuvette) High-quality Quartz Flow cell for precise measurements 30 <u>Flowcell</u> volume Peltier-controlled reaction temperature External cuvettes (10mm path length)
Reaction Volume	Minimum aspiration: 300 μl , Maximum aspiration: 5ml
Dimensions	Length: 422mm, Height: 76mm, Width: 324mm, Weight: 6.5 kg
Analysis Method	Endpoint, Fixed time, Kinetic, Sample blanking & Reagent Blanking, Direct Absorbance measurement mode
Test Profiles	User-defined 10 test profiles 10 tests per profile
Test Channels	48 dedicated assays, Direct access keys, Open channel capability, 200 programmable channels
Data Management	Storage of up to 10,000 test results, Stores 30 days QC for each assay, Reagent blank storage
Reports	Search by date, sample ID, or test name, Calibration reports, QC results
Units	15 pre-defined measurement units
QC and Calibration	Daily and monthly QC with data archiving
Interface	RS232 Port, USB Port, PC Connectivity (optional)
Power	Input Voltage: 88 - 264 VAC, Frequency: 47 - 63 Hz, Power Consumption: 75W max