

ELK CA-80

SEMI-AUTOMATIC

CHEMISTRY ANALYZER



ELK CA-80

Semi-automatic Chemistry Analyzer

Powerful and User-friendly Design

- Large 7-inch color touch screen
- Intuitive user interface with easy-to-touch icon
- Large memory capacity 30,000 results storage
- Internal thermal printer

Minimal Intervention Demands

- Free maintenance for disposable cuvette mode
- Auto prompt clean after each test (flowcell mode)
- External peristaltic tube easy to change

Guarantee High Quality Results

- High quality filters with 8 wavelengths, realizing real dual wavelengths detection
- Accurate sampling volume: 100-9999 μ L adjustable
- Default quartz flowcell with high light transmission
- Available to calibrate each wavelength

Selectable Disposable Cuvette

- Disposable cuvette enables immunology tests and HbA1c tests
- Reduces purified water consumption by use of disposable cuvettes
- Zero cross-contamination

Intelligent Software

- Reaction curve display and print
- QC graph display and print
- Multi-points calibration supported

Multifunctional Interfaces

- Keyboard, external bar code reader and storage media by USB
- Data backup, recovery and upgrade by SD interface
- LIS communication by LAN port



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Analysis method	Endpoint, Kinetic, 2-point Kinetic, and Dual WL., ABS and polygon method
Light source	Halogen lamp, 6V/10W
Wavelength	8 wavelengths to select (340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm, 700nm, 750nm, 800nm)
Absorbance range	-0.3Abs-4.0Abs
Accuracy bias	≤2nm
Half broadband	≤10nm
Flowcell	Quartz cell, 10mm optical diameter, 32 μL volume Disposable cuvette optional
Temperature control	25°C, 30°C and 37°C
Sampling volume	100 μL-9999 μL, recommended: ≥500 μL
Carry over rate	≤1.0%
Drift rate of absorbance	≤0.005Abs/20min
Memory	Up to 300 items, 20 curve items parameters and 30,000 test results
Display	7-inch color touch screen, 800 x 480 resolution
Printer	Built-in thermal printer
Interface	1 SD, 3 USB and 1 RJ-45
Ambient	Room temperature: 10 °C-35°C; humidity: 40%-85%
Power	AC100-240V; 50/60HZ
Dimension	340mm(L) x 280mm(W) x 143mm(H)
Weight	About 5.1 kg