

Measuring Parameters

Item	Measuring range	Resolution	CV %
Potassium ion(K ⁺)	0.50—15.00mmol/L	0.01mmol/L	≤1.0%
Sodium ion(Na ⁺)	20.0—200.0mmol/L	0.1mmol/L	≤1.0%
Chloride ion(Cl ⁻)	20.0—200.0mmol/L	0.1mmol/L	≤1.0%
Calcium(Ca ²⁺)	0.10-5.00mmol/L	0.01mmol/L	≤1.5%
Lithium(Li ⁺)	0-3.00mmol/L	0.01mmol/L	≤1.5%
pH	6.00—9.00	0.01	≤1.0%
TCO ₂	6.0—50.0mmol/L	0.1mmol/L	≤3.0%

Specification

Dimension	337X192X402mm(Mainframe), 347X277X451mm(Small sampler),570X425X380mm(Big sampler)
Weight	17kg(Mainframe), 6.5kg(Small sampler),10kg(Big sampler)
Power supply	AC100~240V,50/60Hz
Ambient temperature	5~40°C
Relative humidity	≤85%
Sample volume	65~150μL
Sample type	Whole blood, Serum, Plasma, Urine
Workload	40 Samples/Hour(with TCO ₂), 60 Samples/Hour(without TCO ₂)
Sample loader	25 Positions/40 Positions
Sample tube	Primary tube or cuvette

Cornley

- >> The professional manufacturer since 1993
- >> Cost-effective
- >> ISO9001&13485 and CE approved
- >> One-stop solution manufacturer(produce all reagent, QC solution, electrodes and all the parts)

K-Lite8 Electrolytes & TCO₂ Analyzer



Accurate ♦ **Stable** ♦ **Smart**

K-Lite8 Electrolyte & TCO₂ Analyzer

Brief Introduction

The instrument is intended for measuring ion concentration of potassium, sodium, calcium, chloride, lithium, pH and TCO₂ in the serum, plasma, whole blood and urine. It adopts the latest technology with intuitive operation interface to accelerate test efficiency.

Intuitive Operation System

- >> Real time display of testing status
- >> STAT capability is available for single or multiple sample tests
- >> Random access automatically for big sampler, manually for small sampler
- >> Alarm on residual volume of reagent



Advanced Information and Consumable Management System

- >> Storage capability is more than 20,000 test results, one month files of QC, and can be extended unlimitedly.
- >> Visible QC graph can be stored, transferred and printed
- >> Bar code scanning function is designed for patient information input, and consumables management such as reagent, electrodes and QC ...ect.



Intelligent

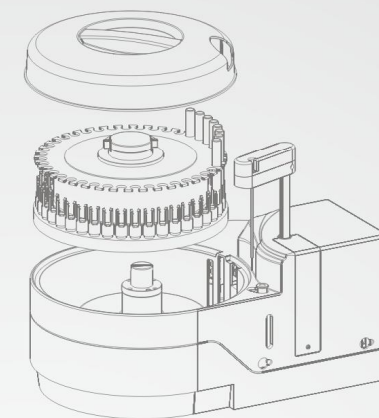
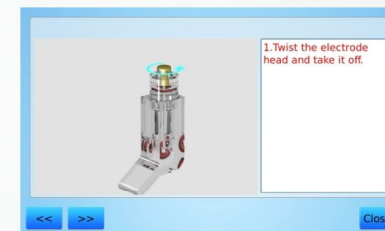
- >> All-in-one mode simplifies maintenance
- >> Self-diagnostic and self-adjustment functions on the main parts
- >> Gas&liquid alternate flush mode with exclusive cleaning formula to eliminate the blockage
- >> Liquid level detection and probe collision protection in auto-sampler
- >> Both primary tube and cuvette are available
- >> Built-in bar code scan
- >> Omni-scan(scanning in 360°) for big sampler
- >> Rapid test on ISE only 25 seconds

Economic

- >> Patent electrodes with long lifespan, anti-jamming and anti-pollution
- >> High accuracy with long life TCO₂ sensor
- >> Sleep mode can be customized according to the workload
- >> Competitive cost per test

Navigation Function

Online help provide more operation guides



Random Parameter Configuration (Auto sample is optional)

K-Lite8A:	K ⁺ , Na ⁺ , Cl ⁻ , TCO ₂
K-Lite8B:	K ⁺ , Na ⁺ , Cl ⁻ , Ca ²⁺ , pH, TCO ₂
K-Lite8D:	K ⁺ , Na ⁺ , Cl ⁻ , Ca ²⁺ , Li ⁺ , pH, TCO ₂
K-Lite8E:	K ⁺ , Na ⁺ , Cl ⁻
K-Lite8F:	K ⁺ , Na ⁺ , Cl ⁻ , Li ⁺
K-Lite8G:	K ⁺ , Na ⁺ , Cl ⁻ , Ca ²⁺ , pH
K-Lite8H:	K ⁺ , Na ⁺ , Cl ⁻ , Ca ²⁺ , Li ⁺ , pH

