

SPECTRUM

SpectraLyte®

Electrolyte Analyzer

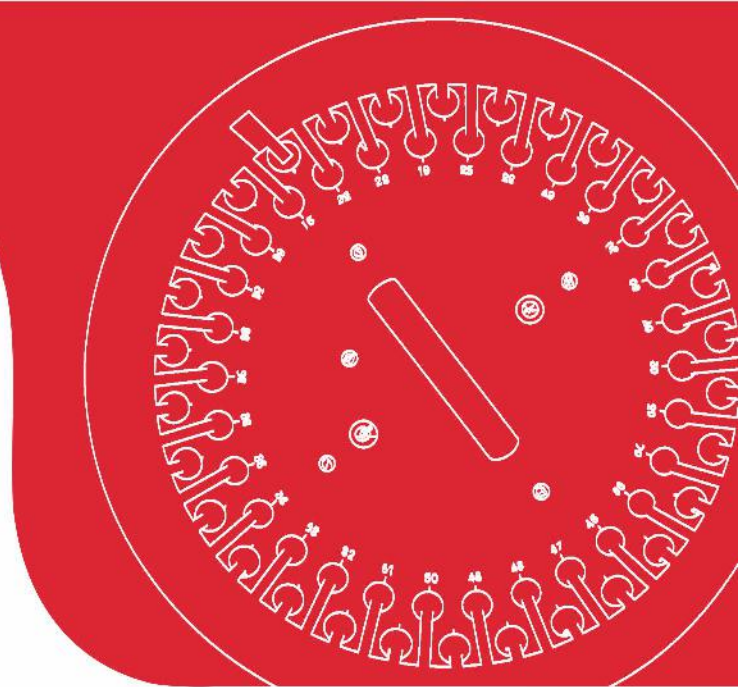
A Disruptive Innovation with
Multi-Biosensor Technology

SpectraLyte® AE-1

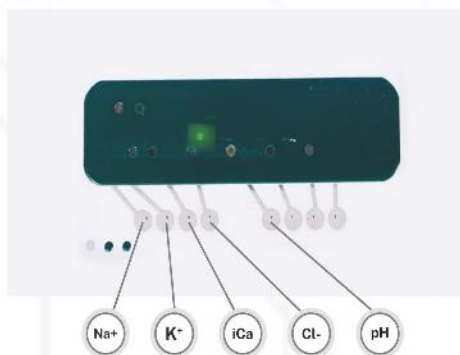


SpectraLyte® AE-2

The Spectralyte electrolyte analyzer is a state-of-the-art device that incorporates Multi biosensor technology, top-quality components, and a streamlined daily routine to enhance productivity, turnaround time, and accuracy of results. With the ability to measure Electrolytes this analyzer takes laboratory measurements to unprecedented heights. The cutting-edge Biosensor technology technology used in the Spectralyte ensures that it is easy to use, efficient in operation, and highly dependable.

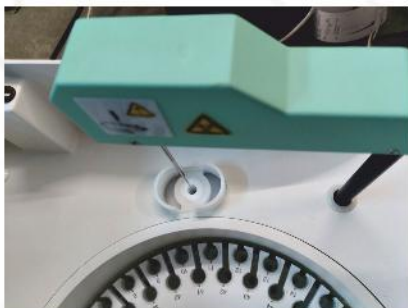


“ Experience the quality with Multi Biosensor Technology ”



Cutting-Edge Technology

- Maintenance-free
- Advanced connectivity
- Low reagent consumption
- Low sample consumption



Latest Design

- Probe Internal & External Cleaning
- Liquid Level Sensor (LLS)
- Probe Crash Detection / Protection



Easy to Use (All In One Pack)

- Dedicated reagent pack
- Easy to replace
- Inside Waste provision

Features & Advantages

COMMON FEATURE

- Advanced Multi-Biosensor Technology (MBT) Permits maintenance free operation.
- Walk Away Capabilities With STAT Positions for Emergency Samples.
- All in One Reagent Pack comes with required biosensor with each pack
- Automatic & Manual Calibration and Cleaning of entire fluidics/Probe.
- Smart Functions: Self-Diagnostic, Easy Replacement of MBM, Liquid Level Sensor, Alerts, Automatic Internal/External Cleaning of tubings/Probe
- Automatic Liquid Level Sensor for Sample/Reagents & Alerts.
- **Parameters:** Na⁺, K⁺, Cl⁻, Direct TCa
- **Sample Type:** Serum, Whole Blood, Urine.
- **Sample Volume:** 19µl (Low Sample volume suited for pediatric & Critical patients diagnostics)
- **Sample Loading:** Direct sample tube with automatic BCR for sample Identification.
- **Sample Dilution:** Automatic Sample Dilution
- Built in QC. Program by using Tri-Level Control
- Dedicated 2Position for STAT Sample
- Data Storage: 50000 Sample.
- Data Interface: RS-232, USB, LIS Connection.

MODEL: AE-1

- Through-Put: >90 Sample/Hour
- Sample Position: 58 + 2Position for STAT Sample.
- Automatic Two-Point Calibration/Manual Calibration
- Instrument Operation & Control by Separate PC.
- User Friendly Operating System.
- External Printer

MODEL: AE-2:

- Through-Put: 120 Sample/Hour
- Sample Position: 42 + 2Position for STAT Sample.
- Automatic Calibration by using 3Level Calibration is available.
- Built-in Operating System with Built-in 10.4" Touch Screen Operation
- User Friendly Operating System.
- Built-in Thermal/External Printer.



Reagent Pack Size and Spectralyte E series availability



Calibration Pack : EA-1



Calibration Pack : EA-2

Technical Specifications

SpectraLyte Model : AE-1 & AE-2

Analyzer Type	:	AE-1: Floor Model AE-2: Desk-Top
Method	:	Multi-Biosensor Technology (In-direct ISE)
Speed	:	AE-1: >90 Sample/Hour AE-2: >120Sample/Hour
Parameters	:	Na ⁺ , K ⁺ , Cl ⁻ , TCa (Direct Total Calcium)
Sample Type	:	Serum, Whole Blood, Urine
Sample Dilution	:	Automatic Dilution of Sample.
Sample Vol.	:	19µL
Sample Position	:	AE-1: 58 Sample + 2 STAT AE-2: 42 Sample + 2 STAT
Sample Loading	:	Direct Sample Collection Tube with or without Bar Code or Sample Cup
Sample ID	:	Built-in BCR or Manual
Calibration	:	Automatic 2Point Calibration / Manual Calibration
Q.C.	:	Tri-Level QC program
Calibration Pack	:	Calibration Pack Vol. : 2130mL Rinse Soln. : 2Lit. MBM : 1No.
Operation/Control	:	AE-1: External PC with Printer AE-2: Built in Operating Consol with Color Touch Screen Operation, Built in & External Printer Option
Communication	:	RS232, USB, LIS Protocol
Data Storage	:	>500000 Results
Operating Temp.	:	10°C - 30°C
Humidity	:	<70%
Power Requiement	:	100-240VAC, 50-60Hz
Dimension	:	AE-1 : 650(L)x650(W)x1350mm(H) AE2 : 574(L)x430(W)x600mm(H)

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