

TECHNICAL SPECIFICATIONS



Principle	Ion selective Electrode (ISE)
Sample Types	Serum, Plasma, Whole Blood, Urine
Parameters	Na ⁺ , K ⁺ , Cl ⁻ / Ca ⁺⁺
Sample volume	≤ 90 μL
Analysis Time	≤ 60 secs
Throughput	≤ 60 samples per hour
Calibration	Automatic Calibration Two Point Calibration after 4 hrs or just before Sample Analysis (whichever is longer) One point Calibration with each Sample Analysis
Normal Ranges	User defined normal ranges for all sample types with flagging for Abnormal samples
Data Management	Calibration History, Sample History and Control History of last 30 days
Quality Control	Tri-Level Quality Control, with LJ Plots of last 30 days
Reagent Pack	Convenient, easy to place ISEPAK which contains reagents required for all Electrolyte Parameters
Reagent status	Tracks reagents consumption and provides alerts for low reagent volume
Display	5" color LCD with Touchscreen Display, Resolution: 480 x 272 pixels
Printer	Built-in 2" (48 mm) Thermal Printer, 42 characters wide
External Interface	USB (Keyboard, Mouse)
Operating Temp.	15 to 35° C
Relative Humidity	5 to 85% non-condensing
Power Supply	100 to 240 VAC 50/60 Hz
Dimensions	395 mm x 260 mm x 375 mm
Weight Sample Storage	7.5 Kg 9999

Flow-through neutral carrier liquid membrane electrodes, for accurate and error-free measurement of ionic activity. It not only ensures fast response time but also long-term accuracy and precision. The electrodes are supplied with IFS Solution as well as the necessary accessories for maintaining optimal performance. The Electrodes are warrantied for 1 year.

ISEPAK: High Performance, Compact, Disposable Solutions Pack for EL-120 Electrolyte Analyzer

Contains Calibrating Solution for Measuring Sodium, Potassium, Chloride and Calcium and provision for Collecting Waste. Convenient and safe to use.



PCE - 230
Hematology Analyzer

Launching Soon

*Specifications are subject to change without notice.

ACCURATE | RELIABLE | FRIENDLY INTERFACE

EL - 120

ELECTROLYTE
ANALYZER

- Na+, K+, Cl- /Ca++
- Low Sample Volume
- Fast Sample Processing
- Low Cost per Test



Erma EL-120 is ideal for medium to high volume Laboratories and Hospitals. It offers reliable, automated sample handling and work flow efficiencies. It also allows measurement of specific ions, accurately and precisely. This supports fast diagnosis of critically ill patients and reduces the risks and patient discomfort associated with repeated sampling.

Precise & Accurate Results Economical to use Large Touchscreen Display with Graphical User Interface

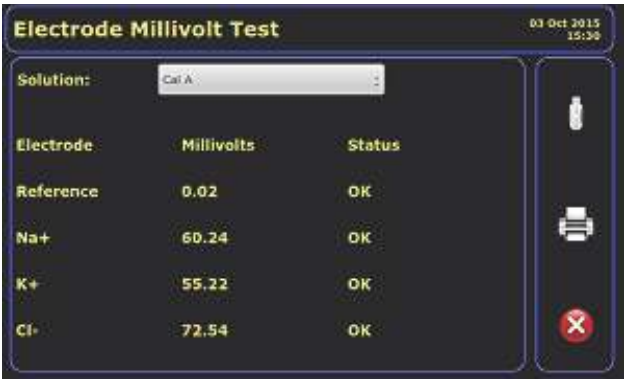
MAIN MENU

- Large Graphical Display affords convenience of operation and minimizes errors while entering data
- User friendly software with interactive Graphical user interface
- Shortcut Menu Keys for Easy Operation



Electrode Millivolt Test

- Checks the performance of the Analyzer
- Ensures high precision and reliability



ANALYSIS

- Aspiration system: Internal peristaltic Stepper Motor Pump for accurate and precise aspiration of Analytes
- Automatic flushing after aspiration of every sample to eliminate carryover



CALIBRATION

- Two Point Calibration after 4 hrs/8 hrs or 12 hrs. This can be defined by the user
- One Point Calibration with each Sample Analysis
- Displays last performed calibration with date and slopes for each parameter
- Also displays the date and time of next calibration to be performed / due



RUN QUALITY CONTROL

- Levy Jennings plot of daily and monthly QC data to give the visual indication of the performance of laboratory test, gives additional advantage for the accreditation of the Laboratory



Standby Mode

- To ensure long life of Electrode and low reagent consumption this feature is unique. Smart chip operation for reagent monitoring & tracking of usage

